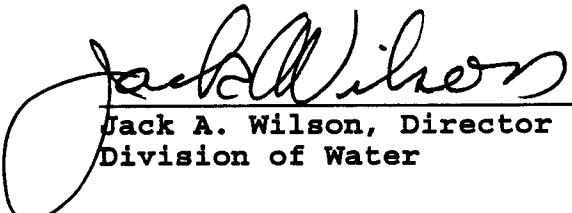
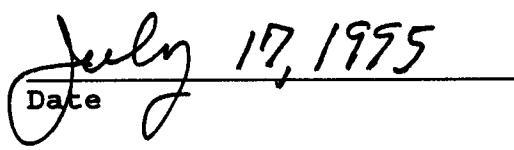


**ANNUAL AMBIENT WATER QUALITY REPORT
WATER YEAR 1994**

**KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
WATER QUALITY BRANCH**

This report has been approved for release:


Jack A. Wilson
Jack A. Wilson, Director
Division of Water

July 17, 1995
Date

PREFACE

This annual report documents water quality data gathered by the Kentucky Division of Water's (DOW) fixed-station ambient monitoring network during Water Year 1994. These data provide information used by the DOW to establish background water quality conditions, detect trends in water quality, and detect excursions from state water quality standards.

This report is the culmination of a concerted effort by field and central office personnel of the DOW who collected and organized the data, and who typed, edited, and assembled the report.

The data were collected and processed by the following personnel:

Gary Morgan, Paducah District Office

Don Hayes, Madisonville District Office

John Martin

Peyton Adams

Allen Kidd

Bob Adams, Bowling Green District Office

Jim Woody, Columbia District Office

Todd Giles, Florence District Office

Bob Wells, Morehead District Office

Joan Garrison, London District Office

Darvin Messer, Hazard District Office

Giles Miller, Water Quality Branch, Standards & Specifications
Cliff Schneider

Jeff Grubbs

Kim Murphy

Scott Hankla

Morgan Jones

The data were analyzed by the Division of Environmental Services, William Davis, Director.

Fecal coliform samples, collected by Water Quality Branch personnel, were analyzed by Gary Beck, Microbiologist, Ecological Support Section.

WATER YEAR 1994 EVALUATION

This report presents water quality information about rivers and streams in Kentucky during Water Year 1994 (WY94) (October 1993 - September 1994) monitored by the Kentucky Division of Water (DOW).

Data are collected through the DOW's ambient monitoring program. Sampling sites are located on major rivers (excluding the Ohio River) in the Commonwealth and minor tributaries (Table 1 and Figure 1).

The ambient monitoring network consists of 44 stations. Samples are collected monthly by DOW personnel for certain physical, chemical and biological variables. Analyses of chemical samples are performed by the Division of Environmental Services. Fecal coliform analyses are performed by personnel in the Division of Water Regional Offices and the Ecological Support Section of the Water Quality Branch.

The DOW utilizes a single midchannel grab sampling approach. Midchannel grab samples have not been found to consistently differ from samples obtained by cross sectionally integrated sampling. However, concentrations of suspended sediment and the total forms of some sediment-associated constituents, such as phosphorus, iron, and manganese, have been found to significantly differ between sampling approaches, particularly under high-flow conditions ("A comparison of surface-grab and cross sectionally integrated stream-water-quality sampling methods". Martin, G. R. et al. 1992. Water Environment Research 64:7).

Criteria Used in Water Quality Evaluation

Kentucky Division of Water selected criteria for variables monitored in this water quality evaluation are presented in Table 2.

The DOW has adopted dual criteria for several metals to protect against chronic (long-term) and acute (short-term) toxicity to aquatic life. Based on results of tests of toxicity to aquatic organisms, the criteria for cadmium, copper, lead, and zinc vary with the hardness of the ambient water. Calculated toxicity values based on hardness were rounded to the nearest whole number. If the calculated toxicity value was equal to the reported metal concentration, a criterion excursion was recorded. Stream criteria for chromium place limits on the hexavalent form while ambient

samples are analyzed for total chromium.

The DOW has adopted fecal coliform criteria for primary and secondary contact recreation. Primary contact recreation waters are waters suitable for full body contact recreation during the recreation season of May 1 through October 31. Fecal coliform bacteria are not to exceed 400 colonies per 100 ml in twenty (20) percent or more of all samples taken during a month in the recreation season.

Secondary contact recreation waters are suitable for partial body contact recreation, with minimal threat to public health due to water quality. Criteria apply to waters classified for secondary contact recreation the entire year. Fecal coliform bacteria are not to exceed 2000 colonies per 100 ml in twenty (20) percent or more of all samples taken during a month.

Results of Evaluation

Analytical results of monthly samples collected during WY94 (October 1993 - September 1994) are presented by drainage areas in Appendix A. Assignment of drainage areas follows the document Drainage Areas of Streams at Selected Locations in Kentucky (U.S. Geological Survey, Open-file Report 81-61, 1981). Remark codes are associated with numerous values found in this report. The remark code K indicates that the actual value is known to be less than the value given. For example, a value of .05K indicates that the actual value is less than .05. An L remark code indicates the actual value is known to be greater than the value given. Iron concentrations designated by ***** exceed 10,000 ug/l.

Tables 3 and 4 present the frequency of excursions for the water quality variables outside DOW standards. Variables have been grouped for presentation purposes. A field variable group includes temperature, dissolved oxygen, pH, and un-ionized ammonia. Metals (cadmium, chromium, copper, lead, mercury, and zinc) form a second group. Fecal coliforms are addressed as a third group.

Warm water aquatic life criteria for dissolved oxygen and stream temperature were exceeded on a few occasions. Dissolved oxygen was reported below 4.0 mg/l once each in Eagle Creek at Glencoe, Green River near Island, and the North Fork Licking River at Milford. Temperatures above 30°C were reported once in the Green River near Island and Pond Creek near Louisville. Hydrogen ion content (pH) was measured below the aquatic life criterion (6 - 9 SU) on several occasions at stations in the Jackson Purchase and Tennessee River areas. Hydrogen ion content was measured below the aquatic life criterion on three occasions in the Bayou de Chein near Clinton, twice in the Clarks River at Almo, and four times in Mayfield Creek near Magee Springs. All hydrogen ion excursions occurred during the winter. The hydrogen ion content in the Kentucky River at Frankfort was above the state criterion in September at a time of low flow, reflecting photosynthetic

activity. Dissolved oxygen was measured to be greater than 15.7 mg/l at time of sampling.

Total recoverable metal results from the ambient network indicate that the DOW's chronic aquatic life criterion for lead was exceeded on 74 occasions. The acute lead criterion was exceeded once. Copper exceeded the acute criterion in six samples, with eight chronic excursions. Chromium exceeded the chronic criterion twice, with two acute excursions. Mercury exceeded the chronic criterion twice.

The fecal coliform stream criterion to protect primary contact recreation was exceeded 49 times during the WY94 recreation season (May - October). The secondary contact recreation criterion was exceeded 29 times during the water year.

Table 1
Fixed-Station Monitoring Network

Map No.	Station Name	RMI	Road Location
1	Tug Fork at Kermit	35.1	KY 40
2	Levisa Fork near Louisa	29.6	KY 644
3	Levisa Fork near Pikeville	114.6	KY 1426
4	Little Sandy River near Argillite	13.2	KY 1
5	Tygart's Creek near Load	28.1	KY 7
6	Kinniconick Creek near Tannery	10.4	KY 1149
7	Licking River at Claysville	78.2	US 62
8	N. Fork Licking River at Milford	6.9	KY 19
9	S. Fork Licking River at Morgan	11.7	KY 1054
10	Licking River at West Liberty	226.4	US 460
11	Kentucky River at Frankfort	66.4	St. Clair St. Bridge
12	Kentucky River at Camp Nelson	135.1	Old US 27
13	Eagle Creek at Glencoe	21.5	US 127
14	South Elkhorn Creek near Midway	25.3	Moores Mill Rd. Bridge
15	Dix River near Danville	34.6	KY 52
16	Red River at Clay City	21.6	KY 11/15
17	Kentucky River near Trapp	191.2	confluence of Red River
18	N. Fork Kentucky River at Jackson	304.5	Old KY 30
19	M. Fork Kentucky River at Tallega	8.3	KY 708
20	S. Fork Kentucky River at Booneville	12.1	KY 28
21	Salt River at Shepherdsville	22.9	KY 61
22	Salt River at Glensboro	82.5	KY 53
23	Rolling Fork near Lebanon Junction	12.3	KY 434
24	Beech Fork near Maud	48.1	KY 55
25	Pond Creek near Louisville	15.5	Manslick Rd. Bridge
26	Green River near Island	74.4	KY 85
27	Pond River near Sacramento	12.4	KY 85
28	Rough River near Dundee	62.5	Barrets Ford Bridge
29	Mud River near Gus	17.4	KY 949
30	Barren River at Bowling Green	37.5	College St. Bridge
31	Green River at Munfordville	225.9	US 31W
32	Nolin River at White Mills	80.9	White Mills Bridge
33	Bacon Creek near Priceville	7.2	C. Avery Rd. Bridge
34	Tradewater River near Sullivan	15.1	US 60/641
35	Little River near Cadiz	24.4	KY 272
36	Cumberland River at Turkey Neck Bend	393.7	KY 214 Ferry Crossing
37	S. Fork Cumberland River at Blue Heron	44.7	Old Rail Bridge
38	Rockcastle River at Billows	24.4	Old KY 80
39	Horse Lick Creek near Lamero	7.5	Daugherty Rd. Ford
40	Cumberland River at Cumberland Falls	562.3	KY 90
41	Cumberland River at Pineville	654.4	Pine St. Bridge
42	Clarks River at Almo	53.5	Almo-Shiloh Rd. Bridge
43	Mayfield Creek near Magee Springs	10.8	KY 121
44	Bayou de Chien near Clinton	15.1	US 51

Figure 1
Fixed-Station Monitoring Network
Stream Station Locations

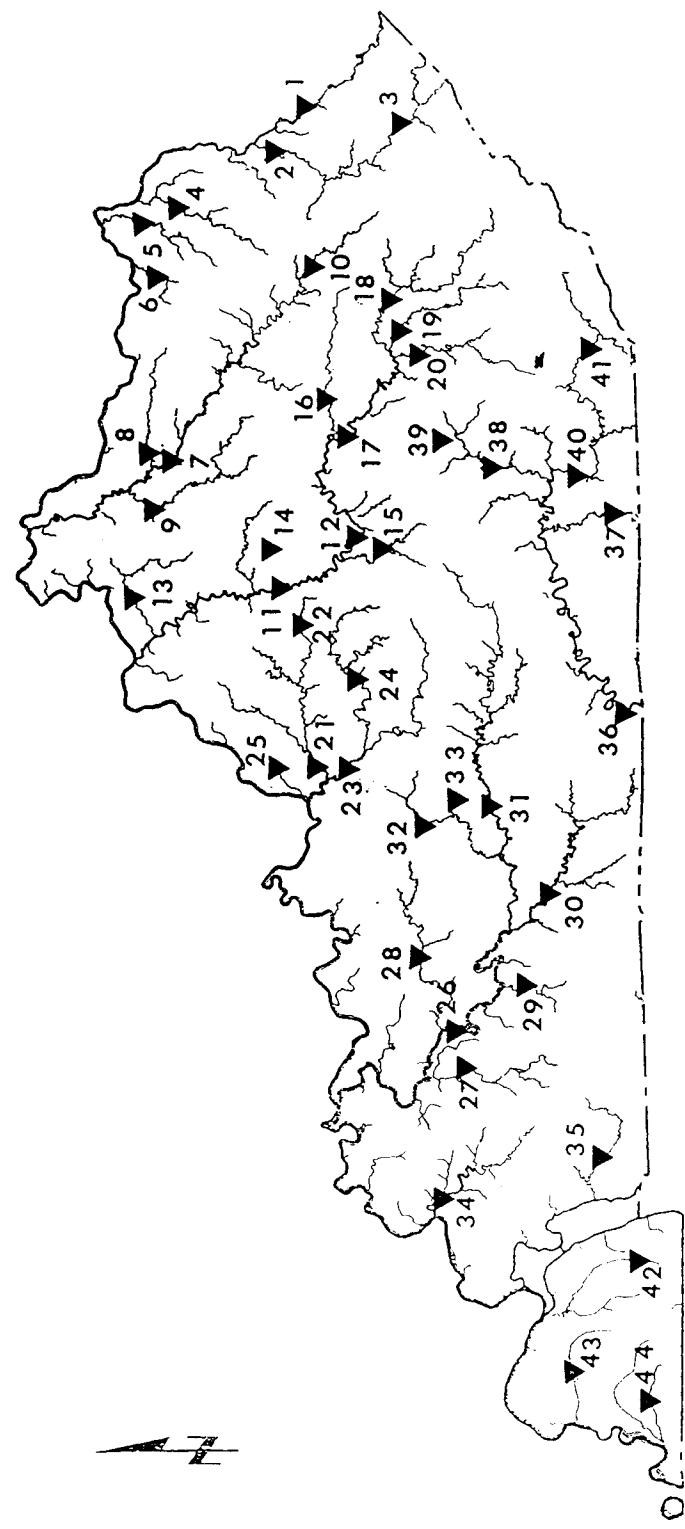


Table 2
Kentucky Surface Water Selected Criteria
(from 401 KAR 5:031)

<u>Variable</u>	<u>Criteria</u>
In-stream temperature	> 30°C
Dissolved oxygen	< 4.0 mg/l
pH	< 6 or > 9 SU
Un-ionized ammonia	> .05 mg/l

Variables	Chronic Criteria Concentration (ug/L)	Acute Criteria Concentration (ug/L)
Cadmium	e (.7852[In Hard.]-3.490)	e (1.128[In Hard.]-3.828)
Copper	e (.8545[In Hard.]-1.465)	e (.9422[In Hard.]-1.464)
Lead	e (1.272[In Hard.]-4.705)	e (1.273[In Hard.]-1.460)
Zinc	e (.8473[In Hard.] + .7614)	e (.8473[In Hard.] + .8604)
Chromium (hexavalent)	11	16
Mercury	.012	2.4

Table 3

Frequency of Values Exceeding KY DOW Stream Criteria WY94 Field and Fecal Coliform Group Results						
Station	TEMP	D.O.	pH	NH3-N	PC	SC
Jackson Purchase Area						
Bayou de Chein (MP 15.1)	0	0	3	0	1	0
Mayfield Creek (MP 10.8)	0	0	4	0	0	0
Tennessee River Area						
Clarks River (MP 53.5)	0	0	2	0	0	0
Cumberland River Area						
Cumberland River (MP 393.7)	0	0	0	0	0	0
Cumberland River (MP 562.3)	0	0	0	0	1	1
Cumberland River (MP 654.4)	0	0	0	0	2	0
SF Cumberland River (MP 44.7)	0	0	0	0	0	0
Rockcastle River (MP 24.4)	0	0	0	0	1	0
Horse Lick Creek (MP 7.5)	0	0	0	0	1	0
Little River (MP 24.4)	0	0	0	0	0	0
Tradewater River Area						
Tradewater River (MP 15.1)	0	0	0	1	0	0
Green River Area						
Green River (MP 225.9)	0	0	0	0	1	1
Nolin River (MP 80.9)	0	0	0	0	0	1
Bacon Creek (MP 7.2)	0	0	0	0	0	1
Barren River (MP 37.5)	0	0	0	0	2	0
Mud River (MP 17.4)	0	0	0	0	0	0
Green River (MP 74.4)	1	1	0	0	0	0
Rough River (MP 62.5)	0	0	0	0	0	0
Pond River (MP 12.4)	0	0	0	0	1	0

**Frequency of Values Exceeding KY DOW Stream Criteria
WY94 Field and Fecal Coliform Group Results**

Station	TEMP	D.O.	pH	NH3-N	PC	SC
Salt River Area						
Salt River (MP 82.5)	0	0	0	0	1	0
Salt River (MP 22.9)	0	0	0	0	2	2
Pond Creek (MP 15.5)	1	0	0	0	1	2
Beech Fork (MP 48.1)	0	0	0	0	0	0
Rolling Fork (MP 12.3)	0	0	0	0	0	1
Kentucky River Area						
NF Kentucky River (MP 304.5)	0	0	0	0	2	1
MF Kentucky River (MP 8.3)	0	0	0	0	0	0
SF Kentucky River (MP 12.1)	0	0	0	0	0	0
Kentucky River (MP 191.2)	0	0	0	0	1	0
Red River (MP 21.6)	0	0	0	0	1	0
Kentucky River (MP 135.1)	0	0	0	0	1	0
Dix River (MP 34.6)	0	0	0	0	1	1
Kentucky River (MP 66.4)	0	0	1	0	1	0
So. Elkhorn Creek (MP 25.3)	0	0	0	0	2	2
Eagle Creek (MP 21.5)	0	1	0	0	1	1
Licking River Area						
Licking River (MP 226.4)	0	0	0	0	2	1
Licking River (MP 78.2)	0	0	0	0	1	2
NF Licking River (MP 6.9)	0	1	0	0	3	3
SF Licking River (MP 11.7)	0	0	0	0	1	2
Kinniconick Creek (MP 10.4)	0	0	0	0	0	0

**Frequency of Values Exceeding KY DOW Stream Criteria
WY94 Field and Fecal Coliform Group Results**

Station	TEMP	D.O.	pH	NH3-N	PC	SC
Tygarts Creek Area						
Tygarts Creek (MP 28.1)	0	0	0	0	2	0
Little Sandy River Area						
Little Sandy River (MP 13.2)	0	0	0	0	2	1
Big Sandy River Area						
Tug Fork (MP 35.1)	0	0	0	0	6	3
Levisa Fork (MP 114.6)	0	0	0	0	5	2
Levisa Fork (MP 29.6)	0	0	0	0	3	1

Table 4

Frequency of Values Exceeding KY DOW Stream Criteria WY94 Metals Group Results						
Station	Cd	Cr	Cu	Hg	Pb	Zn
Jackson Purchase Area						
Bayou de Chein (MP 15.1)	0	0	1(CH) 1(AC)	0	3(CH)	0
Mayfield Creek (MP 10.8)	0	0	3(CH) 3(AC)	0	3(CH)	0
Tennessee River Area						
Clarks River (MP 53.5)	0	0	1(AC)	0	3(CH)	0
Cumberland River Area						
Cumberland River (MP 393.7)	0	0	0	0	0	0
Cumberland River (MP 562.3)	0	0	1(CH)	0	1(CH)	0
Cumberland River (MP 654.4)	0	0	0	0	1(CH)	0
SF Cumberland River (MP 44.7)	0	0	1(AC)	0	2(CH)	0
Rockcastle River (MP 24.4)	0	0	0	0	3(CH) 1(AC)	0
Horse Lick Creek (MP 7.5)	0	0	0	0	5(CH)	0
Little River (MP 24.4)	0	0	0	0	1(CH)	0
Tradewater River Area						
Tradewater River (MP 15.1)	0	0	0	0	0	0
Green River Area						
Green River (MP 225.9)	0	0	1(CH)	0	2(CH)	0
Nolin River (MP 80.9)	0	0	0	0	1(CH)	0
Bacon Creek (MP 7.2)	0	0	0	0	0	0
Barren River (MP 37.5)	0	0	0	0	3(CH)	0
Mud River (MP 17.4)	0	0	0	0	0	0
Green River (MP 74.4)	0	0	0	1(CH)	2(CH)	0
Rough River (MP 62.5)	0	0	0	1(CH)	3(CH)	0
Pond River (MP 12.4)	0	0	0	0	0	0

**Frequency of Values Exceeding KY DOW Stream Criteria
WY94 Metals Group Results**

Station	Cd	Cr	Cu	Hg	Pb	Zn
Salt River Area						
Salt River (MP 82.5)	0	0	0	0	0	0
Salt River (MP 22.9)	0	0	0	0	0	0
Pond Creek (MP 15.5)	0	1(AC)	0	0	0	0
Beech Fork (MP 48.1)	0	0	0	0	0	0
Rolling Fork (MP 12.3)	0	0	0	0	0	0
Kentucky River Area						
NF Kentucky River (MP 304.5)	0	0	0	0	0	0
MF Kentucky River (MP 8.3)	0	0	0	0	2(CH)	0
SF Kentucky River (MP 12.1)	0	0	1(CH)	0	4(CH)	0
Kentucky River (MP 191.2)	0	0	0	0	4(CH)	0
Red River (MP 21.6)	0	0	0	0	1(CH)	0
Kentucky River (MP 135.1)	0	0	0	0	4(CH)	0
Dix River (MP 34.6)	0	1(AC)	0	0	0	0
Kentucky River (MP 66.4)	0	0	0	0	3(CH)	0
So. Elkhorn Creek (MP 25.3)	0	0	0	0	1(CH)	0
Eagle Creek (MP 21.5)	0	1(CH)	0	0	1(CH)	0
Licking River Area						
Licking River (MP 226.4)	0	0	0	0	3(CH)	0
Licking River (MP 78.2)	0	0	0	0	2(CH)	0
NF Licking River (MP 6.9)	0	1(CH)	1(CH)	0	3(CH)	0
SF Licking River (MP 11.7)	0	0	0	0	2(CH)	0
Kinniconick Creek (MP 10.4)	0	0	0	0	1(CH)	0

**Frequency of Values Exceeding KY DOW Stream Criteria
WY94 Metals Group Results**

Station	Cd	Cr	Cu	Hg	Pb	Zn
Tygarts Creek Area						
Tygarts Creek (MP 28.1)	0	0	0	0	1(CH)	0
Little Sandy River Area						
Little Sandy River (MP 13.2)	0	0	0	0	3(CH)	0
Big Sandy River Area						
Tug Fork (MP 35.1)	0	0	0	0	1(CH)	0
Levisa Fork (MP 114.6)	0	0	0	0	1(CH)	0
Levisa Fork (MP 29.6)	0	0	0	0	5(CH)	0

APPENDIX A

JACKSON PURCHASE AREA

JACKSON PURCHASE AREA
BAYOU DE CHEIN NEAR CLINTON

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI037	931013	2.1	7.4	8	168	2K	17	1K	1K	2	1070
PRI037	931108	3.4	25.5	6	145	2K	16	1K	1K		893
PRI037	931208	6.2		9	819	2	23	1K		6	1660
PRI037	940110	.05K		6	130	2K	28	1K	1K		740
PRI037	940215	7	5.2	2	787	2K	47	1K	4		1450
PRI037	940315	6.5	5K	8	231	2K	44	1K			3
PRI037	940412	1K	29.9	460	11700	5	138	1K	4	13	***
PRI037	940516	4.2		19	317	2	37	1K			
PRI037	940621	2.2	5K	8	158	2	22	1K			
PRI037	940726	1K	5.3	3	146	2K	20	1K			
PRI037	940816	2.8	5K	6	121	2K	23	1K			
PRI037	940913	1K	5K	3	80	2K	16	1K			

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931013	2K	197	.1K	1K	19.8	.05K	0.046	0.031	100K
931108	2K	186	.1K	4	18.1	.05K	0.029	0.028	380
931208	2K	94	.1K	10	31.4	0.064	1.08	0.136	160
940110	3	252	.1K	1K	24.2	.05K	0.398	0.554	78
940215	2K	99	.1K	1K	33	0.068	1.21	0.093	170
940315	2K	98	.1K	1K	32.8	0.06	1.08	0.084	15
940412	8	543	.1K	34	32.2	0.124	0.407	0.554	400
940516	2	541	.1K	4	33.4	0.117	0.602	0.12	600
940621	2K	449	.1K	1K	25	.05K	0.073	0.08	230
940726	2K	321	.1K	2K	23.4	.05K	0.053	0.061	140
940816	2K	357	.1K	2K	25.4	.05K	0.04	0.05	100
940913	2K	266	.1K	2K	20.1	.05K	0.039	0.049	190

JACKSON PURCHASE AREA
MAYFIELD CREEK NEAR MAGEE SPRINGS

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	--YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI042	931013	13.5	23.9	36	789	2K	28	1K	1	4	1790
PRI042	931108	10.3	15.5	6	298	2K	17	1K	2	5	1030
PRI042	931208	4.4	29.2	12	2980	3	19	1K	1K		3420
PRI042	940110	12.5	17.6	2	210	2K	28	1K	1K		922
PRI042	940215	9.5	7.5	8	2620	2K	38	1K	3		3210
PRI042	940315	6.1	5K	22	1370	2K	41	1K	1K		3 2160
PRI042	940412	2.8	5K	4.6	4530	2	59	1K	4		6 5510
PRI042	940516	3.4		23.	845	2K	43	1K	1		1 1580
PRI042	940621	1.9	5K	4.9	2870	4	54	1K	1		4 3260
PRI042	940726	1.9	8.4	3.9	1590	3	52	1K	2		3 2220
PRI042	940816	1K	5K	4.0	1860	3	62	1K	5		4 2780
PRI042	940913	10.9	11.2	37	897	2K	38	1K	1K		1910

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
---	--YYMMDD--	1051	1055	71900	1092	900	61.0	630	665 31616
931013	2K	255	.1K	1K	26.5	.05K	0.531	0.063	160
931108	2K	84	.1K	6	19.6	.05K	0.418	0.044	33K
931208	3	30	.1K	8	26.6	.0.024	0.47	0.256	55
940110	2K	94	.1K	1K	33.8	0.063	1.12	0.067	33
940215	2	65	.1K	2	35.4	.05K	1.08	0.142	33
940315	2K	144	.1K	1K	32	0.059	0.992	0.127	33
940412	1K	140	.1K	10	30.5	0.097	0.935	0.31	400
940516	2K	849	.1K	4	30.9	0.062	0.028	0.078	53
940621	2	1290	.1K	5	24.9	.05K	0.023	0.118	280
940726	2K	1310	.1K	4	21.9	.05K	0.005	0.09	390
940816	2K	1380	.1K	5	22	.05K	0.019	0.096	110
940913	2K	280	.1K	2	19.4	.05K	0.476	0.103	110

TENNESSEE RIVER AREA

TENNESSEE RIVER AREA
CLARKS RIVER AT ALMO

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI038	931013	18.9	30.7	5	299	2K	34	1K	1K	3	743
PRI038	931108	19.6	20	2	141	2K	32	1K	1K		562
PRI038	931208	11.2	24.6	8	775	2K	38	1K	1	4	1090
PRI038	940110	.05K	15.8	8	841	2K	70	1K	1K		1130
PRI038	940215	8.7	5.3	1	902	2K	69	1K	2		1050
PRI038	940315	10.2	5K	9	389	2K	86	1K	1K		797
PRI038	940412	4	20.4	48	1920	2K	79	1K	1K		2080
PRI038	940516	12.3	10	597	2K	83	1K		2	43	910
PRI038	940621	8.1	5K	18	466	3	65	1K		4	683
PRI038	940726	1.3	5K	6	1140	2	68	1K		2	3 133 0
PRI038	940816	15.9	15.6	21	619	3	60	1K		2	3 115 0
PRI038	940913	19	10	431	2	44	1K		1K		3 693

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--	1055	71900	1092	900	610	630		665	31616
931013	2K	143	.1K	35.5	.05K	0.396		0.62	100K
931108	3	124	.1K	6	39.4	.05K		0.455	33K
931208	2K	109	.1K	10	41.1	0.012	2.2	0.161	110
940110	3	163	.1K	1K	38.3	0.118	3.03	0.191	40
940215	2K	115	.1K	1K	39.6	.05K	2.13	0.123	70
940315	2K	145	.1K	1K	44.3	0.059	2.97	0.102	33
940412	1	142	.1K	6	36.4	0.08	1.61	0.318	240
940516	2K	129	.1K	33	51.5	0.464	3.5	0.421	190
940621	2K	244	.1K	2	43.7	.05K	2.07	0.454	70
940726	2K	288	.1K	4	38.1	0.078	1.52	0.661	140
940816	2K	593	.1K	3	35.7	.05K	2.62	0.778	120
940913	2K	184	.1K	2	35	.05K	5.06	1.01	87

CUMBERLAND RIVER AREA

CUMBERLAND RIVER AREA
LITTLE RIVER NEAR CADIZ

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--		940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI043	931012	14.4	24.8	6	145	2K	46	1K	1K	6	214
PRI043	931109	14.3	23.4	1	56	2K	44	1K	1K	1K	172
PRI043	931208	7.5	24.8	43	1420	2	24	1K	1K	1	3 1580
PRI043	940110	.5K	19.2	39	1690	2K	47	1K	1K	1K	1860
PRI043	940215	8.1	5.5	46	1470	2K	44	1K	2	2	1790
PRI043	940315	6.7	5K	31	712	2K	47	1K	1K	3	945
PRI043	940412	1K	5K	312	8960	4	89	1K	1K	3	7 9010
PRI043	940516	8		10	301	2K	55	1K	1K	1K	368
PRI043	940621	8.5	30.7	18	389	2K	51	1K	1K	1K	405
PRI043	940726	12.5	10.8	16	425	2K	59	1K	1K	2	2 458
PRI043	940816	10.5	66.7	15	346	2K	63	1K	1K	2	416
PRI043	940913	17.8	48.9	16	335	2K	57	1K	1K	1K	446

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---		1055	71900	1092	900	610	630	665	31616
931012	2K	33	.1K	1K	220	.05K	2.59	0.157	33K
931109	2K	23	.1K	17	226	.05K	2.52	0.131	33K
931208	3	40	.1K	2	166	.01K	3.98	0.127	180
940110	3	72	.1K	1K	174	0.079	3.6	0.121	120K
940215	3	87	.1K	1K	137	.05K	3.37	0.093	150
940315	2K	68	.1K	1K	164	.05K	3.31	0.075	78
940412	8	416	.1K	21	85.4	0.08	1.3	0.321	400L
940516	2K	44	.1K	5	212	.05K	3.62	0.072	44
940621	2K	53	.1K	1K	208	.05K	2.98	0.119	130
940726	2K	53	.1K	2K	220	.05K	3.07	0.134	78
940816	2K	64	.1K	2	216	.05K	2.7	0.113	83
940913	2K	87	.1K	2K	203	.05K	2.15	0.143	160

CUMBERLAND RIVER AREA
CUMBERLAND RIVER AT TURKEY NECK BEND

STORE#	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--		940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI007	931013	2.8	37.8	3	28	2K	18	1K	4	1K	3
PRI007	931111	3.7	40.3	2	36	2K	18	1K	1	1K	75
PRI007	931221	5.1	39.6	2	9	2K	9	1K	1	1K	65
PRI007	940111	3.8	38.8	2	33	2K	20	1K	1K	1K	79
PRI007	940214	3	17	2	105	2K	20	1K	1	1K	2
PRI007	940316	.05K	21.7	12	101	2K	20	1K	5	2	256
PRI007	940413	1.4	31.6	58	851	2K	29	1K	2	2	445
PRI007	940511	2.5	2	2	269	2K	28	1K	2	3	1510
PRI007	940614	3	26.3	1	135	2K	16	1K	1K	1K	4
PRI007	940718	1.4	27.5	3	127	2K	20	1K	1K	1K	247
PRI007	940808	1K	26.7	2	92	2K	24	1K	1K	1K	174
PRI007	940914	2.8	49.4	40	40	2K	21	1K	1K	1K	88

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--		1051	1055	71900	1092	900	610	630	665
931013	2K	12	.1K	1K	26	74	.05K	0.353	.005K
931111	2K	14	.1K	1K	26	84.3	.05K	0.267	.005K
931221	2K	8	.1K	1K	26	78.4	0.109	0.256	0.013
940111	2K	12	.1K	1K	26	90	.05K	0.294	0.015
940214	2K	13	.1K	1K	26	75.3	.05K	0.481	0.019
940316	2K	24	.1K	1K	26	66.7	.05K	0.425	0.023
940413	1	62	.1K	1K	9	63.3	.05K	0.431	0.055
940511	2K	18	.1K	1K	3	80.3	.05K	0.378	0.019
940614	2K	9	.1K	1K	1	58.6	.05K	0.422	0.013
940718	1K	14	.1K	2K		64.8	.05K	0.428	0.013
940808	2K	18	.1K	2K		77	.05K	0.493	0.007
940914	2K	13	.1K	2K		69.5	.05K	0.401	0.013

CUMBERLAND RIVER AREA
SOUTH FORK CUMBERLAND RIVER AT BLUE HERON

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	26	1K	1027	1034	1042
PRI008	931013	5	46.3	1	277	2K	25	1K	4	1K	4
PRI008	931109	5.7	60.3	1K	28	2K	12	1K	1K	1K	162
PRI008	931214	2.7	30.1	4	176	2K	20	1K	1K	1K	367
PRI008	940112	2.7	27.9	5	210	2K	23	1K	1K	1K	386
PRI008	940216	2.9	9.8	1K	231	2K	23	1K	2	2	456
PRI008	940316	2	6.7	2	6K	2K	23	1K	2	2	17
PRI008	940411	5.3	13.4	3	108	2K	35	1K	1K	1K	2330
PRI008	940512	1.5	47	1	96	2K	26	1K	1K	1K	248
PRI008	940615	3.3	18.6	5	363	2K	30	1K	1K	1K	172
PRI008	940725	1K	27.9	3	120	2K	27	1K	1K	1K	639
PRI008	940809	3.7	51.1	2	112	2K	32	1K	1K	1K	828
PRI008	940912	2.1					24	1K	1K	1K	260

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931013	2K	61	.1K	1K	51.3	.05K	0.054	.005K	10K
931109	2K	18	.1K	8	65.1	.05K	0.024	.005K	10
931214	2	26	.1K	1K	35.6	.05K	0.247	0.02	50
940112	4	69	.1K	1K	30.8	.05K	0.199	0.015	10K
940216	2K	69	.1K	1K	34.8	.05K	0.187	0.014	10
940316	2K	68	.1K	1K	36.1	.05K	0.125	0.012	30
940411	2K	139	.1K	11	26.9	.05K	0.094	0.051	530
940512	2K	58	.1K	5	44	.05K	0.043	0.014	10
940615	2K	43	.1K	1K	63	.05K	0.136	0.012	10K
940725	2K	48	.1K	2	40.9	.05K	0.131	0.016	37
940809	2K	53	.1K	3	56.5	.05K	0.064	0.019	170
940912	2K	34	.1K	2K	45.5	.05K	0.12	0.015	3

CUMBERLAND RIVER AREA
ROCKCASTLE RIVER AT BILLOWS

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
	YYMMDD--			530	1105	1002	1007	1027	1034	1042	1045
PRI010	931012	940	946	2	28	2K	18	1K	1K	3	118
PRI010	931108	5.2	36.4		14	2K	12	1K	1K		146
PRI010	931215	4.6	37.7	1K	3	39	2K	9	1K	3	151
PRI010	940111	3.2	25			111	2K	16	1K		228
PRI010	940223	0.3	26.6	2							
PRI010	940315	2.5	7.6	196	3800	2	44	1K	6	2	6830
PRI010	940412	3.1	14.3	5	6K	2K	14	1K	1K		2
PRI010	940509	1K	22	60	1670	2K	28	1K	1K	4	3060
PRI010	940616	1.3		21	572	2K	18	1K			956
PRI010	940720	3.2	47.7	1	46	2K	23	1K	1K	3	97
PRI010	940817	4.4	17.9	4	186	2K	24	1K	1K	1	368
PRI010	940915	5.1	47.3	3	150	2K	24	1K	1	2	271
					63	2K	20	1K		2	119

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--		1055	71900	1092	900	610	630	665	31616
931012	2K	31	.1K	1K	96.3	.05K	0.25	.005K	10
931108	2K	19	.1K	15	78.5	.05K	0.307	.005K	10
931215	2K	20	.1K	1K	58	.05K	0.538	0.016	40
940111	3	69	.1K	1K	61.6	.05K	0.582	.005K	20
940223	10	379	.1K	13	45.9	0.072	0.273	0.115	200
940315	2K	68	.1K	1K	60.9	.05K	0.404	0.016	20
940412	26	167	.1K	8	41.6	0.059	0.23	0.081	950
940509	2K	80	.1K	4	43.2	.05K	0.242	0.031	640
940616	164	31	.1K	6	109	.05K	0.35	0.012	30
940720	2K	39	.1K	2	100	.05K	0.656	0.027	70
940817	2K	42	.1K	2K	105	.05K	0.306	0.017	10
940915	2K	34	.1K	2	96.1	.05K	0.28	0.019	12

CUMBERLAND RIVER AREA
HORSE LICK CREEK NEAR LAMERO

STORE DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON		
----YYMMDD--	940	946	530	1105	1002	1007	24	1K	1027	1034	1042	1045
PRI051	931014	4	29.5	2	8	2K					4	166
PRI051	931116	1.3	14.5	14	275	2K	13	1K	1K	1K		428
PRI051	931213	2.5	24	6	116	2K	8	1K	7	1K		419
PRI051	940112	0.8	18.3	8	180	2K	16	1K	1K	1K		374
PRI051	940222	0.13	5K	15	148	2K	16	1K	2	1K		329
PRI051	940317	1.6	5K	1K								
PRI051	940412	1K	29.3	11	318	2K	18	1K	1K	2	1K	672
PRI051	940510	1K		5	179	2K	17	1K				
PRI051	940616	2.9	20.9	2	71	2K	26	1K				
PRI051	940719				454	2K	26	1K	1		8	743
PRI051	940817	3.3	54.7	11	527	2K	27	1K	3		2	902
PRI051	940912	4.4	60.8	2	71	2K	21	1K			1	220

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931014	2K	16	.1K	1K	115	.05K	0.038	.005K	440
931116	2K	26	.1K	1K	39.7	.05K	0.332	0.02	230
931213	2K	10	.1K	1K	50.1	.05K	0.251	0.021	10K
940112	3	29	.1K	1K	41.8	.05K	0.247	0.014	70
940222	2	26	.1K	1K	28.6	.05K	0.108	0.015	190
940317	2K	15	.1K	1K	44.8	.05K	0.174	0.012	20
940412	2	37	.1K	9	31.9	.05K	0.159	0.028	90
940510	4	29	.1K	6	39.9	0.06	0.153	0.018	30
940616	2K	100	.1K	1K	94.8	.05K	0.191	0.011	20
940719	2K	36	.1K	15	82.9	.05K	0.292	0.024	270
940817	2K	117	.1K	7	86.1	.05K	0.532	0.042	190
940912	17	137	.1K	3	87.8	.05K	0.234	0.041	9

CUMBERLAND RIVER AREA
CUMBERLAND RIVER AT CUMBERLAND FALLS

STORED DATE	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--				530	1105	1002	1007	32	1K	1034	1042
PRI009 931012	940	946	134	2	9	2K		28	1K		4
PRI009 931115	7.7	107	4		42	2K		13	1K		4
PRI009 931214	3.2	71.3	17		333	2K		26	1K		3
PRI009 940112	0.3	55.8	21		528	2K		38	2		958
PRI009 940216	2.2	41.2	108		2360	2K			4		1220
PRI009 940315	.5K	72.7	21		190	2K		28	1K		5400
PRI009 940411	1K	50.2	44		922	2K		33	1K		10 1950
PRI009 940510	1K	110			2360	2K		42	1K		2 4740
PRI009 940615	4 .4	96.5	25		530	2K		34	1K		4 1170
PRI009 940725	3 .4	97.6	7		824	2K		39	1K		3 1530
PRI009 940809	1K	112	11		278	2K		41	1K		2 595
PRI009 940915	7 .6	102	2		36	2K		32	1K		1 98

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
-----YYMMDD--				1092	900	610	630		665
931012	2K	16	.1K	1K	155	.05K	0.187	.005K	31 616
931115	2K	21	.1K	1K	133	.05K	0.015	0.017	10K
931214	2K	64	.1K	1K	90	.05K	0.41	0.035	250
940112	2	148	.1K	2	82.2	.05K	0.401	0.15	230
940216	2	166	.1K	15	72.4	.05K	0.37	0.088	320
940315	2K	140	.1K	1K	97	.05K	0.347	0.025	40
940411	1	199	.1K	11	74	.05K	0.201	0.049	790
940510	2	174	.1K	18	84.8	.05K	0.2	0.071	2300
940615		96	.1K	5	124	.05K	0.36	0.029	40
940725	3	107	.1K	10	119	.05K	0.45	0.037	110
940809	2K	60	.1K	4	149	.05K	0.277	0.023	30
940915	2K	29	.1K	2K	132	.05K	0.267	0.019	10K

CUMBERLAND RIVER AREA
CUMBERLAND RIVER AT PINEVILLE

STOREID	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	--YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI011	931013	6.7	157	2	56	2K	39	1K	1K	2	240
PRI011	931109	7.6	126	1	22	2K	29	1K	1K	1K	206
PRI011	931215	3.4	77.8	8	137	2K	17	1K	1K	1K	495
PRI011	940111	0.3	68.4	6	211	2K	27	1K	1K	1K	565
PRI011	940224	1.6	35.9		2290	2K	41	1K	2	4	6030
PRI011	940315	1.9	83.2	14	163	2K	33	1K	1K	3	801
PRI011	940412	1K	53.3	34	738	2K	29	1K	1K	4	1790
PRI011	940509	1.5	42	1150	2K	38	1K	1K	1K	1	2230
PRI011	940614	4.6	120	17	289	2K	40	1K	1K	5	673
PRI011	940720				1760	2K	52	1K		2	3060
PRI011	940816	1K	197	10	175	2K	58	1K	1	3	391
PRI011	940914	10.2	147	3	69	2K	45	1K	1K	1K	181

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
---	--YYMMDD--	1051	1055	71900	1092	900	610	630	665
931013	2K	16	.1K	1K	176	.05K	0.103	0.008	70
931109	2K	16	.1K	9	131	.5K	0.099	.005K	130
931215	2K	29	.1K	1K	105	.05K	0.52	0.028	200
940111	2	52	.1K	1K	94.4	.05K	0.544	0.021	50
940224	5	159	.1K	6	69	0.07	0.422	0.094	250
940315	2K	57	.1K	1K	108	.05K	0.484	0.024	140
940412	1	75	.1K	4	69.9	.05K	0.261	0.043	560
940509	2K	83	.1K	15	93.1	.05K	0.242	0.04	570
940614	2K	55	.1K	4	127	.05K	0.404	0.025	250
940720	2K	94	.1K	12	125	.05K	0.484	0.056	880
940816	2K	39	.1K	2	180	.05K	0.174	0.02	270
940914	2K	22	.1K	2K	158	.05K	0.146	0.019	9

TRADEWATER RIVER AREA

TRADEWATER RIVER AREA
TRADEWATER RIVER NEAR SULLIVAN

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--				530	1105	1002	1007	1027	1034	1042	1045
PRI053	931012	940	946	41	952	2K	53	1K	1K	4	1660
PRI053	931109	29.3	521	8	195	2K	32	1K	1K	5	597
PRI053	931208	22.2	534	28	1490	2K	13	1K	1	5	2150
PRI053	940110	5.6	80.5	3	159	2K	29	1K	1K	2	526
PRI053	940215	.5K	251	4	846	2K	26	1K	1	2	1170
PRI053	940215	6.2	106	9	650	2K	24	1K	1K	3	1010
PRI053	940315	5	105	36	1190	2K	38	1K	1K	3	1960
PRI053	940412	4.3	105	21	547	2K	48	1K	1K	3	954
PRI053	940516	7.8	561	74	2030	2	74	1K	1K	3	2630
PRI053	940621	6.8	1410	56	1650	2K	70	1K	2	2	2450
PRI053	940726	19.1	254	56	1780	3	64	1K	1	3	2650
PRI053	940816	13.1	1080	24	505	2K	72	1K	1K	870	
PRI053	940913	73									

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	841	.1K	1K	403	0.326	1.05	0.052	50
931109	2K	353	.1K	31	378	0.307	0.535	0.011	37
931208	2	112	.1K	10	94.9	0.117	0.484	0.087	200
940110	2K	445	.1K	1K	254	0.162	0.585	0.023	240
940215	2K	269	.1K	1K	126	.05K	0.523	0.043	60
940315	2K	107	.1K	1K	122	.05K	0.333	0.05	33
940412	1K	186	.1K	4	128	.05K	0.296	0.063	400
940516	2K	1270	.1K	5	319	0.069	0.244	0.041	30
940621	2K	1320	.1K	8	509	.05K	0.174	0.104	30
940726	2K	991	.1K	8	650	0.092	0.485	0.093	150
940816	2K	1140	.1K	9	305	1.23	0.734	0.092	63
940913	2K	1580	.1K	2	981	5.53	1.53	0.062	83

GREEN RIVER AREA

GREEN RIVER AREA
POND RIVER NEAR SACRAMENTO

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI012	931012	23.1	1120	18	379	2K	30	1K	1K	3	665
PRI012	931109	12.5	556	2	85	2K	23	1K	1K	3	1110
PRI012	931208	7.1	212	21	1260	2	15	1K	1	3	2130
PRI012	940110	7.9	127	67	2790	2K	34	1K	1K		4280
PRI012	940215	4.9	140	1	1220	2K	23	1K	2	4	1710
PRI012	940315	3.7	72.4	8	1110	2K	20	1K	3	2	1560
PRI012	940412	3	176	14	677	2K	27	1K		6	1180
PRI012	940516	7.4		8	1060	2K	45	1K	1K		2050
PRI012	940621	13.7	1310	42	1150	2K	45	1K	2	2	1600
PRI012	940726	10	555	46	1620	2K	39	1K	2	2	2150
PRI012	940816	11.5	1020	45	2K		1K			3	
PRI012	940913	17.4	1900	17	286	2K	48	1K	2	1K	530

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N		TP	FECAL
YYMMDD--	1051	1055	71900	1092	900	610	630		665	31616
931012	2K	242	.1K	1K	376	.05K	0.069	0.026		80
931109	2K	1940	.1K	38	345	.05K	0.095	.005K	33K	
931208	2K	769	.1K	28	223	0.02	0.401	0.067	310	
940110	2K	411	.1K	20	164	0.098	0.635	0.094	150	
940215	2	265	.1K	6	169	.05K	0.581	0.05	33	
940315	2K	127	.1K	1K	102	.05K	0.319	0.052	50	
940412	1K	313	.1K	1.2	208	0.069	0.148	0.022	73	
940516	2K	2160	.1K	23	572	0.196	0.275	0.044	600	
940621	2K	548	.1K	11	739	.05K	0.023	0.08	90	
940726	2K	363	.1K	10	394	.05K	0.265	0.089	400L	
940816	2K		.1K		.05K		0.012	0.081	50K	
940913	2K	336	.1K	4	1430	.05K	.005K	0.067	55	

GREEN RIVER AREA
ROUGH RIVER NEAR DUNDEE

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YMMDD--		940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI014	931012	4.6	13.5	18	326	2	33	1K	1K	3	1460
PRI014	931109	4.8	12.9	25	330	2K	28	1K	1K	557	
PRI014	931208	5.2	32.3	41	1030	2	18	1K	1K	4	1540
PRI014	940110	6	27.6	15	526	2K	31	1K	1K	960	
PRI014	940215	5.2	7.5	17	803	2K	27	1K	1	2	1240
PRI014	940315	4.3	11	38	953	2K	38	1K	1K	5	1450
PRI014	940412	1.6	20.4	106	3450	3	45	1K	1K	6	4800
PRI014	940516	4.2	26	26	535	2K	36	1K	1K	980	
PRI014	940621	4.2	5K	24	617	2K	32	1K	1K	2	871
PRI014	940726	3	15.1	35	1060	2K	43	1K	1	1	1570
PRI014	940816	4.2	5K	35	954	2K	54	1K	1	2	1710
PRI014	940913	1K	6.7	24	445	2K	34	1K	1K	1090	

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
-----YMMDD--		1051	71900	1092	900	610	630	665	31616
931012	2K	266	.1K	1K	119	.05K	0.778	0.026	33K
931109	3	118	.1K	12	101	0.065	0.152	0.012	33K
931208	2	101	.1K	5	97.5	0.014	0.65	0.067	87
940110	2K	137	.1K	1K	100	0.194	0.876	0.048	53
940215	2	72	.1K	1K	75.9	0.132	0.945	0.069	33
940315	2	119	.1K	1K	98.8	0.084	0.848	0.061	85
940412	4	158	.1K	7	57.6	0.103	0.396	0.125	400
940516	2K	208	.1K	2	112	0.076	0.709	0.051	92
940621	2K	199	0.2	1K	113	.05K	0.573	0.054	73
940726	2K	334	.1K	2K	122	.05K	0.495	0.047	100
940816	2K	437	.1K	3	147	.05K	0.587	0.048	83
940913	2K	271	.1K	2	121	.05K	0.771	0.051	100

GREEN RIVER AREA
GREEN RIVER NEAR ISLAND

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
	YYMMDD--			530	1105	1002	1007	1027	1034	1042	1045
PRI055	931012	940	946	10	194	2K	35	1K	1K	5	325
PRI055	931109	14.1	30.2	10	164	2K	20	1K	1K	3	327
PRI055	931208	7.9	32.8	372	5640	5	30	1K	1K	6	7590
PRI055	940110	6.7	43.2	59	1550	2K	35	1K	1K	3	2480
PRI055	940215	7.6	33.3	46	1620	2K	30	1K	1K	5	3260
PRI055	940315	3.5	5.9	42	1560	2K	33	1K	1K	5	2190
PRI055	940412	2.6	5K	32	1100	2K	29	1K	1K	3	1590
PRI055	940516	2.5	2.5	15	583	2K	31	1K	1K	1K	809
PRI055	940621	4.2	4.2	15	443	2	24	1K	1K	3	568
PRI055	940726	4.7	43.6	16	525	2K	42	1K	1K	4	667
PRI055	940816	7.9	96.8	18	584	2	44	1K	1K	4	742
PRI055	940913	1K	82.7	16	371	2K	38	1K	1K	2	551
PRI055	940913	8.6	65.5	18							

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--		1055	71900	1092	900	610	630	665	31616
931012	2K	56	.1K	1K	173	.05K	0.691	0.026	33K
931109	2K	45	.1K	9	101	.05K	0.318	0.012	33K
931208	7	266	0.2	19	122	0.027	1.27	0.255	400L
940110	2K	113	.1K	1K	135	0.067	1.48	0.088	33
940215	3	80	.1K	2	90	.05K	1.54	0.092	33
940315	2	75	.1K	1K	87.1	0.07	1.2	0.099	33
940412	1	80	.1K	2	101	.05K	0.983	0.068	320
940516	2K	121	.1K	5	142	.05K	1.22	0.045	31
940621	2K	71	.1K	1K	134	.05K	0.951	0.044	50
940726	2K	98	.1K	2	205	.05K	1.11	0.052	33K
940816	2K	130	.1K	2K	180	0.061	0.764	0.041	33K
940913	2K	83	.1K	2	170	.05K	0.668	0.044	33K

GREEN RIVER AREA
MUD NEAR GUS

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--		940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI056	931012	20.5	37.2	9	214	2K	47	1K	1K	4	331
PRI056	931109	15.4	27.2	6	148	2K	35	1K	1K		247
PRI056	931208	4.9	31.2	16	1350	2K	16	1K	1K	2	1590
PRI056	940110	5.8	27.6	12	1690	2K	33	1K	1K		2040
PRI056	940215	6.2	6.2	5	959	2K	27	1K	4	2	1120
PRI056	940315	2.9	5K	5	741	2K	35	1K	1K	2	779
PRI056	940412	1.2	17.3	28	1480	2K	35	1K	1K	3	1670
PRI056	940516	6.7	35	681	2K	54	1K	1K	1K		1050
PRI056	940621	8.7	21	28	1120	2	51	1K	1K	2	1010
PRI056	940726	4.3	13.2	40	1400	2	53	1K	1K	3	1600
PRI056	940816	6.5	10	30	1080	2K	63	1K	3	2	1140
PRI056	940913	9.6	11.4	26	486	2K	46	1K	1K	0.052	780

DATE YYMMDD---	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
931012	1051	1055	71900	1092	900	610	630	665	31616
931109	K2	114	.1K	1K	144	.05K	0.05	0.025	43
931208	2K	48	.1K	14	130	.05K	0.008	0.029	33K
940110	2K	15	.1K	3	94.3	.01K	0.914	0.139	33K
940215	2	39	.1K	1K	98.9	0.074	0.958	0.113	400
940315	2K	15	.1K	1K	84.7	.05K	0.822	0.058	160
940412	1K	21	.1K	1K	93.8	.05K	0.7	0.055	340
940516	2K	55	.1K	1K	79.1	.05K	0.28	0.079	400
940621	2K	133	.1K	5	187	0.08	0.878	0.062	120
940726	2K	181	.1K	1K	155	.05K	0.151	0.068	80
940816	2K	186	.1K	6	125	0.072	0.414	0.076	58
940913	2K	205	.1K	3	162	.05K	0.049	0.056	85
		120	.1K	2K	122	.05K	0.089	0.052	130

GREEN RIVER AREA
BARREN RIVER AT BOWLING GREEN

STORE#	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
YYMMDD--		940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI017	931012	5.5	15.4	20	345	2K	35	1K	3	3	513
PRI017	931108	6.7	20.5	35	487	2K	31	1K	3	3	1720
PRI017	931213	7	29.2	8	914	2K	16	1K	3	3	1090
PRI017	940111	5.9	26.8	11	322	2K	24	1K	1K	1K	481
PRI017	940215	5.7	5	32	731	2K	27	1K	2	9	1110
PRI017	940317	3.1	5K	12	389	2K	25	1K	5	5	625
PRI017	940412	1K	18	206	6550	2K	65	1K	6	5	7290
PRI017	940509	5.9	25	25	380	2K	34	1K	1K	1K	429
PRI017	940614		15.2	11	328	2K	20	1K	1K	1K	416
PRI017	940718	5	18.9	40	1470	2	42	1K	1K	2	2090
PRI017	940809	7.4	18.9	18	381	2K	39	1K	2	3	686
PRI017	940912	7	50.5	12	253	2K	29	1K	1K	1K	554

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--		1055	71900	1092	900	610	630	665	31616
931012	2K	157	.1K	1K	113	.05K	0.158	0.015	
931108	3	196	.1K	25	115	.05K	0.246	0.018	
931213	5	69	.1K	1K	131	0.068	1.42	0.059	100
940111	2K	65	.1K	1K	137	.05K	1.74	0.037	
940215	3	76	.1K	14	123	.05K	1.88	0.048	140
940317	3	64	.1K	1K	94.6	.05K	1.53	0.066	72
940412	4	292	.1K	21	60	0.056	0.757	0.254	500
940509		86	.1K	4	108	.05K	1.45	0.054	410
940614	2	209	.1K	5	87.6	.05K	0.809	0.037	59
940718	4	171	.1K	7	135	.05K	1.26	0.101	410
940809	5	167	.1K	3	166	.05K	1.16	0.038	82
940912	3	158	.1K	2K	148	.05K	1	0.04	72

GREEN RIVER AREA
NOLIN RIVER AT WHITE MILLS

STORE#	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	--YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PR1021	931012	50.3	32.6	8	227	2K	125	1K	1K	3	315
PR1021	931110	20.8	25.1	1	66	2K	100	1K	1K		8340
PR1021	931220	9	16.3	6	120	2K	20	1K	5	1K	263
PR1021	940112	13.5	16.6	24	523	2K	39	1K	1K		826
PR1021	940215	8.4	5K	34	774	2K	37	1K	1		2 1140
PR1021	940315	8.8	5K	30	498	2K	37	1K	1		2 758
PR1021	940412	4.6	18.1	148	4050	2K	55	1K	2		3 4550
PR1021	940510	1K		21	637	2K	53	1K			1 819
PR1021	940615	21.1	24.8	9	319	2K	44	1K	1K		2 398
PR1021	940719	26.5	7.4	10	318	2K	62	1K	1K		2 459
PR1021	940809	21.4	11	16	664	2K	70	1K	1		1 818
PR1021	940913	45.3	12.3	6	193	2K	102	1K	1K		247

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
--YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	51	.1K	1K	243	.05K	1.82	0.469	120
931110	2	41	.1K	1K	231	0.057	1.93	0.29	46
931220	2K	13	.1K	1K	171	0.068	3.27	0.076	110
940112	2K	43	.1K	1K	182	.05K	3.31	0.074	
940215	2K	56	.1K	1K	139	.05K	3.46	0.08	60
940315	2K	53	.1K	1K	147	.05K	3.18	0.069	110
940412	3	173	.1K	11	88.1	0.117	1.41	0.274	13000
940510	2K	61	.1K	5	187	.05K	2.55	0.093	50
940615	2K	48	.1K	1K	199	.05K	3.26	0.137	200
940719	1K	58	.1K	2	203	.05K	2.13	0.171	150
940809	2K	76	.1K	4	199	.05K	1.95	0.215	120
940913	2K	46	.1K	2K	212	.05K	1.94	0.224	160

GREEN RIVER AREA
BACON CREEK NEAR PRICEVILLE

STOREID	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI020	931012	3		2	43	2K		27	1K	1K	4
PRI020	931110	4	6.1	1	10	2K		23	1K	1K	171
PRI020	931220	0.6	1K	4	45	2K		15	1K	1K	172
PRI020	940112	5.3	15.2	15	538	2K		31	1K	1K	284
PRI020	940215	5.3	5K	33	709	2K		32	1K	1	867
PRI020	940315	4.1	5K	33	488	2K		34	1K	1	2
PRI020	940412	3.2	16.4	142	3640		2	50	1K	1K	1190
PRI020	940510	3.8		13	285	2K		38	1K	1	2
PRI020	940615	4.1	16.3	15	381	2K		33	1K	1	784
PRI020	940719	3.1	5K	21	456	2K		37	1K	1	4140
PRI020	940809	2.8	5K	15	367	2K		42	1K	1	542
PRI020	940913	4	5K	3	109	2K		33	1K	1K	228

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	19	.1K	1K	189	.05K	0.412	0.006	26
931110	4	10	.1K	1K	183	.05K	0.32	.005K	16
931220	2K	23	.1K	1K	200	.05K	1.68	0.02	43
940112	2K	56	.1K	1K	194	.05K	1.99	0.034	
940215	3	75	.1K	1K	157	.05K	1.87	0.053	60
940315	2K	65	.1K	1K	165	.05K	1.75	0.038	110
940412	1K	205	.1K	7	111	0.112	0.966	0.174	12000
940510	2K	87	.1K	3	202	.05K	1.38	0.031	96
940615	2K	78	.1K	1K	196	.05K	1.16	0.035	210
940719	1K	103	.1K	2K	202	.05K	0.894	0.045	120
940809	2K	96	.1K	2K	184	.05K	0.787	0.033	59
940913	2K	45	.1K	2K	189	.05K	0.565	0.026	110

GREEN RIVER AREA
GREEN RIVER AT MUNFORDVILLE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	25	1K	1K	3
PRI018 931012	16.2	27.3	6	269	2K		16	1K	1K	282
PRI018 931110	7.1	16.5	6	101	2K		13	1K	1K	293
PRI018 931220	5.9	10.7	24	358	2K		23	1K	1K	695
PRI018 940112	5.6	19.2	19	374	2K					685
PRI018 940215	5.6	5K	30	545	2K		23	1K		1020
PRI018 940315	4.1	5K	46	1770	2K		22	1K		2
PRI018 940412	1K	19.1	232	5820		3	53	1K		8 2420
PRI018 940510	4.3		86	1760	2K		39	1K		4 8210
PRI018 940615	1K	22.4	22	321	2K		26	1K		2470
PRI018 940719	5.6	15	40	994		2	32	1K		3 470
PRI018 940809	14.7	19	17	410	2K		35	1K		1710
PRI018 940913	13.8	13.2	11	232	2K		27	1K		1 680
										418

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
-----YYMMDD--	1055	71900	1092	900	610	630		665	31616
931012	2K	.1K	1K	14.9	.05K	0.393		0.02	130
931110	2K	.1K		83.1	.05K	0.234		0.011	28
931220	2K	.1K	1K	92.6	0.073	0.828		0.038	30
940112	2K	.1K	1K	102	.05K	1.26		0.04	
940215	2K	.1K	1K	117	.05K	1.85		0.055	40
940315	3	.63	.1K	66.7	.05K	1.28		0.053	85
940412	4	190	.1K	20	65.2	0.107	0.589	0.217	9600
940510	2	139	.1K	10	94.4	.05K	0.75	0.091	1600
940615	2K	75	.1K	1K	127	.05K	0.493	0.067	200
940719	1K	86	.1K	5	94.7	.05K	0.921	0.1	30
940809	2K	65	.1K	2K	133	.05K	0.564	0.068	180
940913	2K	44	.1K	2K	122	.05K	0.422	0.055	85

SALT RIVER AREA

SALT RIVER AREA
POND CREEK NEAR LOUISVILLE

STORE	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI030	931018	30.8	76.5	27	615	4	41	1K	1K	7	1050
PRI030	931111	42.7	101	11	223	2K	42	1K	1K	3	346
PRI030	931207	22.5	70.9	21	582	2K	20	1K	2	4	1010
PRI030	940113	49.2	79.2	16	482	3	38	1K	1K	838	
PRI030	940217	4.6	62	18	457	11	42	1K	27	6	859
PRI030	940323	42.2	73.5	9	124	2K	40	1K	1K	1	441
PRI030	940414	26.8	67.9	23	483	3	41	1K	1K	4	929
PRI030	940512	21.5	43	1010	2K		74	1K	1K	2	1620
PRI030	940616	54	72	30	493	10	44	1K	1K	4	733
PRI030	940713	50.9	99.9	9	251	8	53	1K	1K	3	422
PRI030	940818	135	31	805	5	85	1K	1K	4	1340	
PRI030	940915	69.6	87.8	29	714	4	50	1K	1K	3	1060

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931018	2K	58	.1K	1K	194	0.338	2.12	0.347	380
931111	2K	41	.1K	1K	246	0.295	2.78	0.279	10K
931207	3	42	.1K	7	244	0.33	1.64	0.22	5600
940113	2K	129	.1K	1K	250	0.163	1.65	0.156	2300
940217	2K	168	.1K	4	250	0.593	1.64	0.133	110
940323	2K	162	.1K	1K	231	0.567	1.38	0.156	60
940414	1K	138	.1K	2	219	0.298	1.21	0.206	130
940512	2K	179	.1K	11	259	0.221	1.64	0.198	600
940616	2K	181	.1K	3	240	.05K	0.618	0.682	70
940713	1K	149	.1K	2	236	.05K	0.97	0.337	200
940818	2K	450	.1K	18	329	0.266	1.03	0.316	
940915	2K	95	.1K	6	201	.05K	0.786	0.316	100

SALT RIVER AREA
SALT RIVER AT SHEPHERDSVILLE

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI029	931018	18	52.6	18	395	2K	30	1K	1K	1	658
PRI029	931111	6.6	38	12	277	2K	15	1K	1K	3	378
PRI029	931207	7.5	34.7	37	990	2	11	1K	3	3	1520
PRI029	940113	9.9	34.6	8	239	2K	20	1K	1K		453
PRI029	940217	8	15	1.9	703	2K	18	1K	1	2	1280
PRI029	940323	8.1	24.2	18	634	2K	16	1K	1K		1100
PRI029	940414	5.6	32.4	60	1760	2K	25	1K	1	4	2760
PRI029	940512	5.5	4.7	1340	2K	26	1K	1K	1K		2080
PRI029	940616	12.6	5K	15	261	2K	27	1K	1K	4	371
PRI029	940713	27.1	65.2	8	254	3	42	1K	1K		433
PRI029	940811	16.7	56.9	10	445	2K	39	1K	2	2	573
PRI029	940915	16.5	53.6	10	245	2K	30	1K	1K		360

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931018	2K	142	.1K	1K	187	.05K	0.872	0.189	140
931111	2K	52	.1K	1K	170	.05K	0.346	0.136	80
931207	2K	83	.1K	1K	174	0.1	1.58	0.251	800
940113	2K	52	.1K	1K	188	.05K	1.67	0.146	80
940217	2K	86	.1K	1K	179	0.076	1.86	0.208	10
940323	2K	77	.1K	1K	174	0.083	1.37	0.198	50
940414	1	142	.1K	1K	180	0.066	1.32	0.309	2300
940512	2K	152	.1K	23	201	0.051	1.08	0.23	420
940616	2K	102	.1K	1K	188	.05K	0.16	0.174	40
940713	1K	81	.1K	5	203	.05K	0.357	0.181	3200
940811	2K	80	.1K	2K	171	.05K	0.48	0.163	70
940915	2K	51	.1K	2K	149	.05K	0.286	0.138	150

SALT RIVER AREA
SALT RIVER AT GLENSBORO

STORE DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI052 931018	44.6	82.2	3	100	2K	26	1K	1K	4	202
PRI052 931111	30.3	76.6	2	25	2K	19	1K	1K	1	20
PRI052 931207	7	36.2	28	918	2K	12	1K	1K	3	1560
PRI052 940113	11.2	37.8	12	327	2K	23	1K	1K	1K	523
PRI052 940217	9.1	21.4	8	304	2K	19	1K	1K	1K	484
PRI052 940323	10.1	46.2	5							
PRI052 940414	4.3	31.7	27	792	2K	24	1K	1K	3	1280
PRI052 940512	7	12	510	2K	27	1K	1K	1K	1	763
PRI052 940616	19.3	50.4	7	182	2K	27	1K	1K	3	263
PRI052 940713	19.1	55	39	317	2K	36	1K	1K	1	509
PRI052 940811	11.6	59.6	8	361	2K	45	1K	1K	1	600
PRI052 940915	38.2	70.4	8	158	2K	28	1K	1K	2	310

DATE YYMMDD--	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
931018	1051	1055	71900	1092	900	610	630	665	31616
931111	2K	22	.1K	1K	191	.05K	0.011	0.483	40
931207	3	6	.1K	1K	231	.05K	0.789	0.335	30
940113	3	25	.1K	1K	188	0.026	3.81	0.408	500
940217	2K	21	.1K	1K	232	0.053	4.37	0.222	180
940323	3	16	.1K	1K	.05K		3.79	0.201	40
940414	1	41	.1K	1K	217	.05K	1.54	0.135	70
940512	2K	40	.1K	1K	213	0.055	1.94	0.281	730
940616	2K	46	.1K	1K	246	.05K	1.8	0.239	330
940713	1K	46	.1K	2K	196	0.062	0.208	0.25	80
940811	2K	49	.1K	2K	212	.05K	0.152	0.275	240
940915	2K	23	.1K	2K	209	.05K	0.749	0.257	50
				161	.05K	0.064	0.324	0.324	670

SALT RIVER AREA
ROLLING FORK NEAR LEBANON JUNCTION

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
--	--YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI057	931018	18.7	57.6	46	959	3	36	1K			7
PRI057	931111	1.3	48.8	7	125	2	27	1K	1K		1690
PRI057	931207	4.6	33.7	90	2470	2K	17	1K		6	4300
PRI057	940113	7.2	32.3	49	1020	2K	26	1K	1K		1930
PRI057	940217	5.7	17.3	28	827	2K	22	1K	1K		1410
PRI057	940323	5.7	31.4	39	469	2K	26	1K		2	1200
PRI057	940414	1.5	29.8	48	1480	2K	25	1K		4	2590
PRI057	940512	3.3	2.3	26	754	2K	27	1K	1K		1390
PRI057	940616	9.3	34.2	52	1440	2	37	1K		1	2260
PRI057	940713	9.2	16.6	75	2230	3	46	1K		2	3630
PRI057	940811	7.3	20.8	68	2050	2K	51	1K		3	3130
PRI057	940915	17.3	14.1	34	853	4	36	1K		2	1600

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL	
--	--YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931018	2K	210	.1K	1K	210	.05K	0.469	0.173	200	
931111	4	85	.1K		2	213	0.06	0.588	0.12	20
931207	3	69	.1K		15	145	0.048	1.49	0.261	2200
940113	3	67	.1K	1K		184	0.103	1.9	0.125	830
940217	2K	47	.1K	1K		155	.05K	1.51	0.092	90
940323	2K	71	.1K	1K		191	0.054	0.976	0.093	100
940414	1	77	.1K		2	138	.05K	0.765	0.146	650
940512	2K	67	.1K		4	180	0.061	0.707	0.103	140
940616	2K	135	.1K		3	206	.05K	0.444	0.14	90
940713	1K	170	.1K		7	187	.05K	0.501	0.185	160
940811	2K	147	.1K		7	160	.05K	0.508	0.171	120
940915	2K	122	.1K		2	167	0.064	0.391	0.121	70

SALT RIVER AREA
BEECH FORK NEAR MAUD

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON	
-----YMMDD--	940	946	530	1105	1002	1007	17	1K	1K	4	348	
PRI041	931018	4.4	28.2	8	173	2K	1.5	1K	1K	4	326	
PRI041	931111	5.2	32.4	5	112	2K	1.5	1K	1K	3	2700	
PRI041	931207	4.5	31.1	41	1510	2K	9	1K	1K	1K	3020	
PRI041	940113	6.5	34.4	52	1960	2K	20	1K	1K	1K	1010	
PRI041	940217	5.5	17.7	14	582	2K	13	1K	1K	1K	1	250
PRI041	940323	5	45.9	9	52	2K	12	1K	1K	1K	3	2520
PRI041	940414	2.4	31.1	40	1540	2K	19	1K	1K	1K	2	1120
PRI041	940512	3	21	743	2K	22	1K	1K	1K	1K	1	664
PRI041	940616	1K	26.5	15	462	2K	21	1K	1K	1K	1	735
PRI041	940713	4.5	29.2	11	511	2	24	1K	1K	1K	1	1520
PRI041	940811	5.3	16.7	20	816	2K	24	1K	1K	1K	1	550
PRI041	940915	3.4	288	6	316	2	16	1K	1K	1K	1	2

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
-----YMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931018	2K	103	.1K	1K	152	.05K	0.055	0.13	90
931111	3	66	.1K	1K	165	0.065	0.021	0.191	20
931207	3	40	.1K	1K	142	0.02	1.84	0.312	600
940113	3	101	.1K	1K	191	0.07	1.6	0.232	1100
940217	2K	31	.1K	1K	195	.05K	1.46	0.126	50
940323	2K	25	.1K	1K	242	.05K	0.43	0.083	40
940414	1	71	.1K	1K	190	0.051	0.83	0.21	1000
940512	2K	63	.1K	5	248	.05K	0.648	0.155	160
940616	2K	76	.1K	1K	246	.05K	0.06	0.133	70
940713	1K	91	.1K	3	199	.05K	0.111	0.136	20
940811	2K	93	.1K	2K	141	.05K	0.696	0.182	130
940915	2K	58	.1K	2K	119	.05K	0.192	0.137	10K

KENTUCKY RIVER AREA

KENTUCKY RIVER AREA
EAGLE CREEK AT GLENCOE

STORE DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	94.0	94.6	53.0	1105	1002	1007	1027	1034	1042	1045
PRI022	7.5	35.4	8	209	2K	1.6	1K	1K		3.95
PRI022	4	33.7	205	5370	3	26	1K			8150
PRI022	4.9	42.2	33	1260	2K	8	1K	2	2	2240
PRI022	9.5	38.5	7	608	2K	13	1K	1K		1060
PRI022	10.5	33.9	12	768	2K	16	1K	1		1320
PRI022	6.8	63.5	2	18600	2K	3	13	1K		****
PRI022	1K	21.9	576	480	2K	18	1K	1K	14	12
PRI022	11.4	67.8	18	290	2K	19	1K	2		3.156
PRI022	1K	87.3	15	622	2K	28	1K	1K		834
PRI022	1.6	52	19	1900	2K	28	1K	1		480
PRI022	5	52	31	704	2K	20	1K			947
PRI022	7.5	52	18							2800

DATE YYMMDD--	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
931012	1051	1055	71900	1092	900	61.0	630	665	31616
931117	2K	42	.1K	1K	148	.05K	0.015	0.037	85
931216	5	243	.1K	1K	105	.06	0.702	0.491	140
940112	2K	26	.1K	1K	189	.05K	0.552	0.132	110
940216	2K	20	.1K	1K	209	.05K	1.1	0.085	60
940322	2K	30	.1K	1K	213	.05K	0.899	0.088	230
940411	1	22	.1K	1K	236	.05K	0.312	0.041	25
940524	2K	602	.1K	49	161	0.066	0.503	1.03	2300
940613	2K	53	.1K	7	248		0.228	0.076	4K
940711	2K	75	.1K	1K	238	.05K	0.037	0.061	10
940816	2K	122	.1K	14	212	.05K	0.032	0.077	70
940912	2K	120	.1K	4	146	.05K	0.312	0.157	470
		89	.1K	2K	146	.05K	0.018	0.069	60

KENTUCKY RIVER AREA
SOUTH ELKHORN CREEK NEAR MIDWAY

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
--	--YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI034	931019	28.1	52.8	6	182	2K	16	1K	1K	8	252
PRI034	931109	44	57.4	2	38	2K	18	1K	1K	6	
PRI034	931208	14.6	36.4	3	114	2K	10	1K	1K	4	201
PRI034	940112	26.7	35.4	5	200	2K	20	1K	1K		260
PRI034	940223	12.8	9.3	286	9190	2	85	1K	7	7	9760
PRI034	940411	12.7	22.4	9	297	2K	20	1K	1K	3	423
PRI034	940509	11.7		31	943	2K	33	1K	3	2	1100
PRI034	940613	46.6	63.1	10	275	2K	23	1K	1K	5	317
PRI034	940711	61.7	94.8	7	283	2K	29	1K	1K	4	281
PRI034	940816	59.3	107	11	312	2K	32	1K	1K	5	355
PRI034	940912	56.7	82.5	8	268	2K	23	1K	1K	4	284

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
--YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931019	2K	35	.1K	1K	165	.05K	4	1.07	150
931109	5	10	.1K	1K	226	.05K	8.62	1.11	10
931208	2K	14	.1K	1K	210	0.01	5.33	0.48	160
940112	3	28	.1K	7	211	.05K	5.74	0.441	100
940223	18	564	.1K	29	137	0.182	3.06	1.84	8400
940411	2	47	.1K	4	175	0.063	3.77	0.432	900
940509	3	121	.1K	12	212	0.076	3.78	0.57	4400
940613	2K	61	.1K	13	209	0.072	8.28	1.16	1500
940711	2K	72	.1K	19	242	.05K	9.22	1.38	230
940816	2K	91	.1K	25	218	.05K	7.34	1.41	18
940912	2	55	.1K	15	200	.05K	10.6	1.33	350

KENTUCKY RIVER AREA
KENTUCKY RIVER AT FRANKFORT

STORE	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI024	931011	8.7	70.3	9	126	2K	32	1K	1K	2	258
PRI024	931110	9.5	58.5	8	278	2K	23	1K	1K	3	730
PRI024	931215	0.2	39.4	8	867	2	13	1K	3	3	2170
PRI024	940111	3.8	32.8	354	6430	2K	68	1K	1K	6	*****
PRI024	940216	1.9	20.3	271	5100	2K	60	1K	6	9	*****
PRI024	940324	3.1	56.4	22	361	2K	28	1K	1K	3	1260
PRI024	940413	1.3	52.5	75	1350	2K	67	1K	1K	5	3170
PRI024	940510	1.8	282	7690	5	67	1K	1K	1	8	*****
PRI024	940614	1K	40.3	12	237	2K	25	1K	1K	3	420
PRI024	940712	6.7	116	5	104	2K	39	1K	3	1K	166
PRI024	940810	3.5	123	10	165	2K	49	1K	1K	3	321
PRI024	940913	8.2	75.7	32	2K	31	1K	1K	1K	56	56

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931011	2K	33	.1K	1K	146	.05K	0.844	0.061	10
931110	3	38	.1K	1K	117	.05K	0.792	0.082	20
931215	2	52	.1K	1K	115	0.063	0.85	0.079	150
940111	11	529	.1K	33	84.3	.05K	0.527	0.273	300
940216	7	351	.1K	1K	25	92	0.056	0.622	0.205
940324	2K	67	.1K	1K	123	0.061	0.754	0.064	10K
940413	3	124	.1K	6	116	.05K	0.541	0.14	1000
940510	4	373	.1K	42	129	.05K	0.446	0.208	1800
940614	2K	48	.1K	1K	119	.05K	0.282	0.047	40
940712	1K	36	.1K	2K	179	.05K	0.318	0.047	20
940810	2K	53	.1K	3	205	.05K	0.571	0.08	24
940913	2K	11	K.1	K2	141	K.05	0.379	0.063	10K

KENTUCKY RIVER AREA
DIX RIVER NEAR DANVILLE

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI045	931011	10.6	34.2	2	25	2K	24	1K	1K	5	83
PRI045	931110	9.1	37.5	2	25	2K	24	1K	1K	2	85
PRI045	931215	5.1	27.3	1	67	2K	11	1K	1	1K	198
PRI045	940111	5.5	27.4	3	136	2K	21	1K	1K	1K	248
PRI045	940216	5.6	9.7	10	420	2K	22	1K	23	1K	688
PRI045	940324	4.2	16.4	19	574	2K	23	1K	1K	2	980
PRI045	940413	1.5	28.1	36	899	2K	24	1K	1K	4	1450
PRI045	940510	4	24	10	418	2K	28	1K	1K	1K	634
PRI045	940614	6.2	30.8	15	346	2	31	1K	1K	3	499
PRI045	940712	8.6	21.6	5	131	2K	39	1K	1K	3	212
PRI045	940810	4.2	18.7	15	589	2K	39	1K	1K	2	1100
PRI045	940913	7.6	3	96	2	26	1K	1K	1K	2	144

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931011	2K	8	.1K	1K	141	.05K	0.08	0.02	80
931110	2K	10	.1K	1K	169	.05K	0.608	0.68	10K
931215	2K	6	.1K	1K	153	.05K	1.83	0.037	170
940111	2	12	.1K	1K	147	0.053	2.53	0.042	170
940216	2K	29	.1K	1K	139	.05K	1.97	0.053	80
940324	2K	29	.1K	1K	114	0.061	0.971	0.06	630
940413	1	53	.1K	1K	112	.05K	1.11	0.095	2500
940510	2K	31	.1K	3	148	.05K	1.08	0.06	600
940614	2K	45	.1K	1K	129	0.061	1.39	0.113	240
940712	1K	37	.1K	2K	162	.05K	0.387	0.067	70
940810	2K	57	.1K	2K	136	.05K	0.936	0.107	300
940913	2K	11	.1K	2K	116	.05K	0.048	0.037	10K

KENTUCKY RIVER AREA
KENTUCKY RIVER AT CAMP NELSON

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI025 931011	11.9	144	8	108	2K	44	1K	1K	1K	237
PRI025 931110	6.8	58.9	6	135	2K	23	1K			2 8910
PRI025 931215	4.5	49.7	34	1010	2K	16	1K	2	2	2570
PRI025 940111	0.2	35.6	194	3830	2K	47	1K	1K	1K	9020
PRI025 940216	3.7	24.5	104	2170	2K	37	1K	3	3	5 5310
PRI025 940324	3.3	69.4	19	282	2K	27	1K			2 1090
PRI025 940413	1.1	44	126	2630	2	39	1K	1	1	6 6140
PRI025 940510	1.6	47	8280	3	73	1K		2	2	****
PRI025 940614	1K	82.4	7	161	2K	32	1K			3 343
PRI025 940712	6.7	111	1	61	2K	50	1K	1	1	2 137
PRI025 940810	6.2	92.3	9	379	2K	44	1K			2 66
PRI025 940913	9.3	99	1	41	2K	34	1K	1K	1K	2 82

DATE YYMMDD---	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
931011	1051	1055	71900	1092	900	610	630	665	31616
931110	2K	38	.1K	1K	214	.05K	0.526	0.024	10
931215	2K	62	.1K	1K	109	.05K	0.523	0.033	10K
940111	2	49	.1K	1K	107	.05K	0.653	0.062	140
940216	8	301	.1K	13	85.2	.05K	0.545	0.126	340
940324	4	166	.1K	5	97.2	.05K	0.548	0.088	380
940413	2K	75	.1K	1K	118	.05K	0.421	0.035	40
940510	4	188	.1K	13	91.5	.05K	0.348	0.11	1200
940614	5	476	.1K	41	103	.05K	0.269	0.162	1900
940712	1K	38	.1K	1K	144	K.05	0.514	0.039	30
940810	2K	32	.1K	2K	219	.05K	0.205	0.026	10K
940913	2K	60	.1K	2K	166	.05K	0.474	0.051	70
		15	.1K	15	147	.05K	0.423	0.051	10K

KENTUCKY RIVER AREA
KENTUCKY RIVER NEAR TRAPP

STORE DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI058 931011	12	120	6	122	2K	36	1K			6
PRI058 931110	9.4	105	6	85	2K	35	1K			324
PRI058 931215	0.3	59.6	15	735	2K	15	1K	1	4	532
PRI058 940111	4.1	44.4	149	3340	3	46	1K	1K		2220
PRI058 940216	2.4	34.7	115	2100	2K	38	1K	5		795
PRI058 940324	4.3	99.6	25	363	2K	36	1K	2		5370
PRI058 940413	1K	50.7	212	4060	2	50	1K	6		9180
PRI058 940510	1.7	270	6250	2	68	1K	1K	1K		****
PRI058 940614	6.1	149	5	182	2K	38	1K	4		324
PRI058 940712	12.5	110	3	59	2K	54	1K	1K		146
PRI058 940810	7.6	147	8	281	2K	51	1K	1		602
PRI058 940913	8.6	192	2	47	2K	49	1K	1		2
										114

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931011	2K	39	.1K	1K	177	.05K	0.481	.005K	10
931110	3	99	.1K	1K	165	.05K	0.283	0.021	10K
931215	2K	54	.1K	1K	95	.05K	0.418	0.033	170
940111	6	265	.1K	13	84.1	0.053	0.419	0.105	500
940216	4	173	.1K	7	80.9	0.056	0.366	0.071	240
940324	2K	95	.1K	1K	138	.05K	0.416	0.029	23
940413	3	264	.1K	38	79.2	0.055	0.208	0.118	1600
940510	4	382	.1K	38	99.9	.05K	0.23	0.125	1000
940614	2K	31	.1K	1K	194	.05K	0.356	0.014	10K
940712	1K	34	.1K	2K	242	.05K	0.207	0.017	10K
940810	2K	57	.1K	6	195	.05K	0.317	0.025	50
940913	2K	22	.1K	2K	262	.05K	0.187	0.016	10K

KENTUCKY RIVER AREA
RED RIVER AT CLAY CITY

STORE DATE YYMMDD--	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
PRI046 931012	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI046 931108	7.3	55.6	6	117	2K	37	1K	1K	5	1070
PRI046 931213	14.9	18.7	3	67	2K	50	1K	1K	478	
PRI046 940110	4.1	29	8	160	2K	12	1K	1K	2	711
PRI046 940215	0.2	25.8	46	960	2K	26	1K	1K	2480	
PRI046 940322	3.6	5K	39	863	2K	26	1K	2	2280	
PRI046 940412	6	13.8	26	357	2K	30	1K	2	1240	
PRI046 940511	2.3	29.4	35	860	2K	28	1K	3	1890	
PRI046 940615	3.3	35	810	2K	30	1K	1	1	1870	
PRI046 940714	5K	5	41	2K	35	1K	1K	2	254	
PRI046 940808	6	20.7	3	255	2K	47	1K	1K	2	791
PRI046 940914	12.7	15	7	1300	2K	47	1K	1	2	3100
				163	2K	41	1K	1	1	645

DATE YYMMDD--	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
931012	1051	1055	71900	1092	900	610	630	665	31616
931108	2K	60	.1K	1K	94.9	.05K	0.367	0.019	60
931213	2K	30	.1K	1K	142	.05K	0.34	0.016	60
940110	2K	26	.1K	1K	55.4	.01K	0.352	0.023	51
940215	4	76	.1K	1K	46	0.062	0.362	0.035	170
940322	2K	69	.1K	1K	48.1	.05K	0.263	0.033	30
940412	1	74	.1K	1K	65.5	.05K	0.237	0.032	140
940511	2K	59	.1K	1K	61.9	.05K	0.165	0.03	1000
940615	2K	77	.1K	6	54.6	.05K	0.201	0.032	210
940714	2K	35	.1K	1K	76.8	.05K	0.282	0.019	280
940808	1K	75	.1K	2K	104	.05K	0.266	0.025	1200
940914	2K	110	.1K	9	85.7	.05K	0.433	0.052	170
	2K	89	.1K	2K	94.9	.05K	0.247	0.023	70

KENTUCKY RIVER AREA
NORTH FORK KENTUCKY RIVER AT JACKSON

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	--YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI031	931012	8.3	299	8	103	2K	35	1K		3	368
PRI031	931108	7.3	189	4	54	2K	28	1K	1K		324
PRI031	931213	5.4	170	16	209	2K	17	1K		3	821
PRI031	940110	3.5	101	68	1250	2K	35	1K	1K		3680
PRI031	940215	3	114	82	1160	2K	36	1K		3	4 3250
PRI031	940322	2	152	144	1950	2K	49	1K		3	4 5310
PRI031	940412	1K	72	128	2690		41	1K		5	8 6120
PRI031	940511	2.4	45	1060	2K	39	1K	1K		1	2580
PRI031	940615	8.1	306	9	35	2K	41	1K	2	2	94
PRI031	940714	7.1	115	34	804	2K	56	1K		3	1590
PRI031	940808				914	2K	50	1K	1	2	2080
PRI031	940914	12.3	434	8	126	2K	53	1K	1K	319	

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N		TP	FECAL
--YYMMDD--	1051	1055	71900	1092	900	610	630	.005K	665	31616
931012	2K	54	.1K	1K	358	.05K	0.433			100
931108	2K	56	.1K	1K	233	.05K	0.349	0.014		80
931213	2	69	.1K	4	213	0.094	0.55	0.029		360
940110	3	200	.1K	1K	144	.05K	0.575	0.051		650
940215	2	178	.1K	2	147	0.06	0.578	0.051		540
940322	2	242	.1K	1K	202	.05K	0.529	0.076		950
940412	3	206	.1K	20	125	.05K	0.32	0.08		1400
940511	2K	148	.1K	10	168	.05K	0.434	0.038		340
940615	2K	16	.1K	1K	355	.05K	0.371	0.015		200
940714	1K	91	.1K	5	451	.05K	0.373	0.038		12000
940808	2K	128	.1K	8	287	.05K	0.555	0.031		580
940914	2K	54	.1K	2K	496	.05K	0.16	0.019		70

KENTUCKY RIVER AREA
MIDDLE FORK KENTUCKY RIVER AT TALLEGA

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	--YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI032	931012	5.8	74.8	3	19	2K	30	1K	1K	3	293
PRI032	931108	4.7	72.9	5	77	2K	28	1K	1K	2	283
PRI032	931213	2.8	44.5	49	976	2K	15	1K	1K	6	2640
PRI032	940110	3.2	39.6	65	1110	2K	27	1K	1K	1	2770
PRI032	940215	1.8	22.1	174	4030	2K	48	1K	4	4	9040
PRI032	940322	2.6	53.1	39	579	2K	26	1K	1K	4	1900
PRI032	940412	1K	51.1	24	610	2K	26	1K	1K	3	1470
PRI032	940511	1.9	42	1290	2K	42	1K	1K	1K	1	2320
PRI032	940615	3.8	47.8	4	22	2K	21	1K	1K	2	105
PRI032	940714	1K	104	3	192	2K	43	1K	1K	1K	654
PRI032	940808				472	2K	44	1K	1K	1	1140
PRI032	940914	6.1	96.2	5	119	2K	42	1K	1K	2	479

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
--YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	49	.1K	1K	110	.05K	0.116	.005K	20
931108	2K	46	.1K	1K	103	.05K	0.167	0.014	20
931213	2K	61	.1K	1K	52.5	.01K	0.32	0.049	190
940110	3	112	.1K	1K	54.6	.05K	0.264	0.038	240
940215	5	195	.1K	15	47	.05K	0.238	0.11	160
940322	2K	92	.1K	1K	71.4	.05K	0.243	0.036	390
940412	1K	61	.1K	1K	64.9	.05K	0.179	0.028	200
940511	2K	112	.1K	8	101	.05K	0.151	0.037	180
940615	2K	11	.1K	1K	71.6	.05K	0.144	0.01	30
940714	1K	96	.1K	2K	126	.05K	0.211	0.019	340
940808	2K	95	.1K	2	117	.05K	0.249	0.02	320
940914	2K	87	.1K	2K	139	.05K	0.206	0.018	20

KENTUCKY RIVER AREA
SOUTH FORK KENTUCKY RIVER AT BOONEVILLE

STORE DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON	
--YYMMDD--	940	946	530	1105	1002	1007	34	1K	1027	1034	1042
PR1033 931012	11.6	57.9	6	88	2K		26	1K	1K		4
PR1033 931108	6.5	49.8	3	31	2K		13	1K	1K		2
PR1033 931213	4.6	53.9	3	120	2K		23	1K	1K		3
PR1033 940110	2.4	35.5	22	587	2K		23	1K	1K		409
PR1033 940215	2.5	19.7	19	490	2K		23	1K	1K		1530
PR1033 940322	5.6	47.2	11	86	2K		28	1K	1K		1360
PR1033 940412	1K	26	84	2050	2K		29	1K		2	1
PR1033 940511	2		14	501	2K		26	1K	1K		609
PR1033 940615	13.9	86.7	2	6K			43	1K	1K		5
PR1033 940714	12.5	74.2	10				337	2K	40	1K	
PR1033 940808							957	2K	36	1K	
PR1033 940914	16.4	70.4	5				139	2K	44	1K	

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
--YYMMDD--	1051	1055	71900	1092	900	610		665	31616
931012	2K	53	.1K	1K	96.6	.05K	0.199	.005K	20
931108	3	22	.1K	1K	75.1	.05K	0.389	0.012	10
931213	2K	37	.1K	1K	71.7	.01K	0.49	0.021	180
940110	3	87	.1K	1K	49.7	.05K	0.43	0.026	170
940215	2	88	.1K	1K	48.7	.05K	0.315	0.026	60
940322	2K	81	.1K	1K	71.3	.05K	0.277	0.02	160
940412	4	167	.1K	10	31.9	.05K	0.141	0.077	1800
940511	2K	61	.1K	4	53.8	.05K	0.184	0.022	120
940615	2K	4	.1K	1K	114	.05K	0.235	0.011	40
940714	1K	53	.1K	2K	96.6	.05K	0.119	0.019	310
940808	2K	74	.1K	8	71.9	.05K	0.481	0.034	230
940914	2K	87	.1K	2K	106	.05K	0.077	0.019	170

LICKING RIVER AREA

ICKING RIVER AREA
SOUTH FORK LICKING RIVER AT MORGAN

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI059	931019	15.9	39.7	1	75	2K	23	1K	1K	4	118
PRI059	931109	12.2	35.9	2	24	2K	18	1K	1K	1K	11
PRI059	931208	5.6	33.6	42	1250	2K	12	1K	1K	3	2160
PRI059	940112	8.3	30.6	14	463	2K	19	1K	1K	1K	772
PRI059	940223	3.8	14.2	448	12800	3	72	1K	8	6	*****
PRI059	940411	2.7	25.6	112	3620	2K	31	1K	3	4	5710
PRI059	940509	3.4		336	12000	2	71	1K	10	6	****
PRI059	940613	7.7	5K	21	405	2K	21	1K	3	3	625
PRI059	940711	10.3	19.4	20	609	2K	29	1K	1K	1	856
PRI059	940816	6.8	18.5	14	591	2K	34	1K		2	824
PRI059	940912	26.4	66.6	410	2		31	1K		2	676

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL	
YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616	
931019	2K	7	.1K	1K	163	.05K	0.019	0.132	60	
931109	2	3	.1K	1K	215	.05K	1.71	0.269	10	
931208	2	47	.1K	1K	3	173	0.024	2.79	0.371	650
940112	2	30	.1K	1K		194	0.058	3.22	0.207	140
940223	10	693	.1K		22	146	0.099	1.07	1.12	16000L
940411	2	152	.1K	4		180	0.07	1.25	0.367	600
940509	8	621	.1K	33		143	0.107	1.12	0.873	11000
940613	2K	72	.1K	1K		185	.05K	0.609	0.219	110
940711	2K	76	.1K	2		165	.05K	0.255	0.198	10
940816	2K	55	.1K	3		169	.05K	0.984	0.21	60
940912	2K	67	.1K	2K		171	.05K	0.126	0.182	30

LICKING RIVER AREA
NORTH FORK LICKING RIVER AT MILFORD

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
--	--YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI060	931019	8.7	27.4	6	25	2K	24	1K	1K	4	139
PRI060	931109	9.4	35	6	51	2K	17	1K	1K	1	109
PRI060	931208	6	38.9	28	1110	2K	13	1K	6	2	1900
PRI060	940112	8.3	37.6	7	416	2K	22	1K	1K	676	
PRI060	940223	3.3	19.7	848	23300	4	84	1K	15	15	****
PRI060	940411	1K	25.6	360	12400	4	68	1K	9	11	****
PRI060	940509	1.7		152	7970	3	54	1K	6	3	****
PRI060	940613	1K	5K	19	578	2K	24	1K	1K	3	816
PRI060	940711	7.2	31.2	25	806	2K	36	1K	1K	1	1180
PRI060	940816	6.4	52.1	28	1440	2K	42	1K	1	3	1880
PRI060	940912	8	46.3	14	549	2K	31	1K	1K	2	850

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
--YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931019	2K	437	.1K	1K	193	.05K	0.01	0.212	60
931109	2	42	.1K	1K	144	.05K	0.475	0.096	60
931208	2K	34	.1K	6	181	0.026	2.74	0.152	550
940112	2	32	.1K	1K		.05K	2.76	0.082	40
940223	10	848	.1K	50	113	0.071	0.581	1.04	6400
940411	8	556	.1K	30	124	0.085	0.786	0.736	8000
940509	4	284	.1K	25	115	0.092	0.876	0.421	16000L
940613	2K	82	.1K	1K	201	.05K	0.353	0.103	1600
940711	2K	126	.1K	3	222	.05K	0.07	0.097	180
940816	2K	123	.1K	2	212	.05K	0.653	0.132	1500
940912	2K	115	.1K	2K	174	.05K	0.278	0.119	150

LICKING RIVER AREA
LICKING RIVER AT CLAYSVILLE

STORE#	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YMMDD--		940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI061	931019	4.3	34.4	6	120	2K	16	1K	1K	3	305
PRI061	931109	3.5	31.9	4	28	2K	13	1K	1K	5	56
PRI061	931208	4	30.5	43	944	2K	13	1K	1	3	2060
PRI061	940112	5.3	31	19	377	2K	21	1K	1K	9	915
PRI061	940223	3.5	17.4	388	11800	3	60	1K	9	8	****
PRI061	940411	1K	18.3	26	1000	2K	23	1K	1K	3	2030
PRI061	940509	2		206	6050	6	50	1K	1K	3	****
PRI061	940613	6	5K	15	287	2K	20	1K	1K	2	458
PRI061	940711	1K		31	982	2K	34	1K	1K	2	1430
PRI061	940816	6.2		24	831	2K	29	1K	1	2	1410
PRI061	940912	5.7	49.2	21	593	2K	22	1K	1K	4	1080

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931019	2K	32	.1K	1K	71.9	.05K	0.144	0.016	40
931109	2K	26	.1K	1K	73.4	.05K	0.184	0.023	70
931208	2	58	.1K	4	89.6	.05K	1.07	0.087	200
940112	2K	61	.1K	1K	87.9	.061	0.828	0.042	50
940223	8	544	.1K	1.7	98.5	0.082	0.629	0.634	8000
940411	1	94	.1K	1K	81.8	.05K	0.423	0.07	1100
940509	4	293	.1K	34	91.8	0.059	0.458	0.225	12000
940613	2K	52	.1K	1K	96.8	.05K	0.148	0.044	70
940711	2K	115	.1K	4	115	.05K	0.017	0.069	40
940816	2K	89	.1K	2K	108	.05K	0.42	0.074	80
940912	2K	75	.1K	2	89	.05K	0.348	0.072	10

LICKING RIVER AREA
LICKING RIVER AT WEST LIBERTY

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	YYMMDD--			530	1105	1002	1007	1027	1034	1042	1045
PR1062	931013	940	946	4	39	2K	38	1K	1	5	631
PR1062	931109	12.9	70.1	1	18	2K	27	1K	1K		620
PR1062	931215	9.8	58.5	6	55	2K	17	1K	3	1K	690
PR1062	940113	6.6	56.7		3710	2K	47	1K			5640
PR1062	940215	4.6	45.9								3 2550
PR1062	940315	2.5	23.8	41	763	2K	30	1K			
PR1062	940414	3.7	54.2	34	550	2K	38	1K			2 1970
PR1062	940511	1.4	53.6	18	376	2K	29	1K			3 1440
PR1062	940621	2.9		32	668	2K	40	1K			2110
PR1062	940720	6.8	92.8	7	109	2K	52	1K			3 590
PR1062	940811	5.6	88.3	45	942	2K	44	1K			3 2490
PR1062	940914	5.6	78.8	28	459	2K	42	1K	1	1	1520
		19.3	78.6	14	225	2K	52	1K	1K		945

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--		1055	71900	1092	900	610	630	665	31616
931013	2K	61	.1K	4	141	.05K	0.262	.005K	12
931109	3	80	.1K	24	90.6	.05K	0.322	.005K	140
931215	2K	75	.1K		94.5	.05K	0.463	0.02	420
940113	4	191	.1K	5	71.7	0.085	0.361	0.085	2100
940215	3	99	.1K		58.1	.05K	0.332	0.045	1400
940315		99	.1K		95.5	.05K	0.439	0.035	1200
940414	1	70	.1K		76.3	0.054	0.242	0.028	1000
940511	2K	105	.1K	28	67.7	.05K	0.239	0.036	1200
940621	2K	210	.1K	3	160	.05K	0.428	0.021	180
940720	1K	169	.1K	13	126	.05K	0.441	0.041	380
940811	2K	136	.1K	7	123	.05K	0.315	0.031	490
940914	2K	228	.1K	14	151	.05K	0.277	0.024	180

LICKING RIVER AREA
KINNICONICK CREEK AT TANNERY

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
	YYMMDD--			530	1105	1002	1007	1027	1034	1042	1045
PRI063	931012	940	946	9	146	2K	36	1K	1K	7	741
PRI063	931109	6	44	1	46	2K	22	1K	1K	496	
PRI063	931214	6.1	25.4	2	6K	2K	8	1K	2	1K	191
PRI063	940113	3	24.5	207	2K	16	1K	1K	1K	474	
PRI063	940215	3.4	27.4	4	131	2K	16	1K	3	1	347
PRI063	940314	2.7	5.8	11	6K	134	2K	19	1K	1K	2
PRI063	940413	1K	5K	30	1	136	2K	17	1K	1K	370
PRI063	940510	1.4	4	4	65	2K	23	1K	1K	1K	334
PRI063	940620	3.8	32.4	3	136	2K	26	1K	1K	1K	529
PRI063	940719	3.8	11.6	3	420	2K	30	1K	1K	1K	760
PRI063	940809	1K	17.1	5	98	2K	28	1K	1K	1K	1190
PRI063	940913	3.8	47.8	4							647

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N		TP	FECAL
YYMMDD--		1055	71900	1092	900	610	630		665	31616
931012	2K	193	.1K	1K	75.6	.05K	0.18	.005K	40	
931109	2K	31	.1K	36	46.4	.05K	0.604	.005K	72	
931214	2K	10	.1K	9	34.6	.05K	0.761	0.013	230	
940113	2	19	.1K	1K	27.6	.05K	0.655	0.022	340	
940215	2K	18	.1K	2	26.8	.05K	0.473	0.015	50	
940314	2K	24	.1K	3	25.2	.05K	0.35	0.014	93	
940413	1K	19	.1K	1K	27	.05K	0.197	0.017	330	
940510	2K	22	.1K	21	28.1	.05K	0.296	0.013	170	
940620	2K	78	.1K	18	44.5	.05K	0.173	0.018	160	
940719	1K	62	.1K	21	46.3	.05K	0.164	0.014	150	
940809	2K	72	.1K	21	43.1	.05K	0.413	0.022	270	
940913	2K	129	.1K	11	44.4	.05K	0.221	0.019	60	

TYGARTS CREEK AREA

TYGARTS CREEK AREA
TYGARTS CREEK NEAR LOAD

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI048 931012	9.2	30.9	3	21	2K	38	1K	1K	3	472
PRI048 931109	10	29.8	4	75	2K	28	1K	1K	1K	802
PRI048 931214	4.9	31.6	2	38	2K	13	1K	1K	1K	356
PRI048 940113	5.6	29.4	35	662	2K	26	1K	1K	1K	1430
PRI048 940215	4.6	10.1	7	537	2K	23	1K	5	2	1230
PRI048 940314	4	25.1	89	1470	2K	43	1K	1	4	3940
PRI048 940413	1.7	30.5	32	647	2K	26	1K	1K	2	1460
PRI048 940510	3.1	13	518	2K	28	1K	1K	1K	1	1090
PRI048 940620	6.4	18.7	6	73	2K	42	1K	1K	1	469
PRI048 940719	9.4	29.3	6	280	2K	44	1K	1K	1	936
PRI048 940809	1K	49.8	19	623	2K	43	1K	1	1	1570
PRI048 940913	7.8	17.9	3	93	2K	37	1K	5	1	520.

DATE YYMMDD---	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
931012	1051	1055	71900	1092	900	610	630	665	31616
931109	2K	254	.1K	15	129	.05K	0.156	0.009	67
931214	2K	72	.1K	31	128	.05K	0.387	.005K	30
940113	2K	14	.1K	1K	103	.05K	0.75	0.022	100
940215	2K	53	.1K		87.2	.05K	0.644	0.035	1000
940314	4	49	.1K	1K		.05K	0.534	0.034	300
940413	1	222	.1K	11	55.2	.05K	0.351	0.068	600
940510	65	.1K		6	76.7	.05K	0.211	0.028	1600
940620	62	.1K		23	84.4	.05K	0.423	0.029	1300
940719	208	.1K		29	127	.05K	0.27	0.021	110
940809	102	.1K		10	145	.05K	0.476	0.063	190
940913	111	.1K		14	125	.05K	0.771	0.032	420
	126	.1K		21	111	.05K	0.285	0.02	120

LITTLE SANDY RIVER AREA

LITTLE SANDY RIVER AREA
LITTLE SANDY RIVER NEAR ARGILLITE

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--		940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI049	931012	55.7	51.8	1	9	2K		35	1K		3
PRI049	931109	14.7	1720	2	32	2K		22	1K	1K	276
PRI049	931214	6.9	44.8	13	176	2K		13	1K	7	892
PRI049	940113	6.7	37.4	118	1380	2K		36	1K	1K	3470
PRI049	940215	5	18.6	56	1080	2K		34	1K	1K	2890
PRI049	940314	2.7	9.8	14	91	2K		24	1K	1K	2
PRI049	940413	2.6	55.3	172	2920	2		52	1K	1	6
PRI049	940510	3.9	4.8	48	882	2K		43	1K	1K	2250
PRI049	940620	39.8	40.4	4	44	2K		46	1K	1K	3
PRI049	940719	18.9	52.7	5	144	2K		46	1K	1K	2
PRI049	940809	12.4	68.6	16	351	2K		53	1K	1K	2
PRI049	940913	37.2	56.4	6	104	2K		53	1K	1K	951

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	306	.1K	1K	71.9	.05K	1.32	.005K	83
931109	2K	69	.1K	20	64.9	.05K	0.39	0.005	40
931214	2K	46	.1K	1K	66.9	.05K	0.568	0.019	200
940113	3	175	.1K	1K	50.8	.0076	0.423	0.064	1600
940215	2	161	.1K	1K	52.7	.05K	0.41	0.055	500
940314	2K	43	.1K	1K	74.9	.05K	0.461	0.022	520
940413	4	323	.1K	23	71.9	.0089	0.293	0.11	4100
940510	2K	156	.1K	28	60.6	.05K	0.23	0.04	520
940620	2K	401	.1K	43	76.5	.05K	0.782	0.02	120
940719	1K	335	.1K	8	91.6	.05K	0.696	0.023	180
940809	2K	340	.1K	15	106	.05K	0.527	0.03	630
940913	2K	541	.1K	20	82.3	.05K	0.818	0.026	95

BIG SANDY RIVER AREA

BIG SANDY RIVER AREA
LEVISSA FORK NEAR LOUISA

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--		940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI064	931012	24.3	172	19	304	2K	.56	1K		1	840
PRI064	931108	19.5	156	10	189	2K	.47	1K		3	602
PRI064	931215	10.1	106	16	203	2K	.21	1K		1	856
PRI064	940111	5.2	70.4	110	2050	2K	.48	1K			5450
PRI064	940215	3.7	66.1	95	1820	2K	.49	1K		2	6 4780
PRI064	940314	4.7	67.3	58	1270	2K	.40	1K		4	3170
PRI064	940412	3.6	110	80	1490	2K	.52	1K		5	3550
PRI064	940510	4		78	1550	2K	.60	1K		1	3270
PRI064	940613	15.1	176	17	290	2K	.59	1K		4	663
PRI064	940719	8.9	99.3	99	1930	2K	.56	1K		2	5 4010
PRI064	940809	14	164	33	803	2K	.64	1K		2	1720
PRI064	940912	19.3	165	16	218	2K	.54	1K		1	596

DATE YYMMDD--	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
931012	1051	1055	71900	1092	900	61.0	630	665	31616
931108	2K	75	.1K	1K	212	.05K	0.417	0.01	60
931215	7	62	.1K	27	193	.05K	0.32	.005K	60
940111	6	47	.1K	14	146	.05K	0.675	0.035	900
940215	3	229	.1K	7	102	.05K	0.496	0.073	1300
940314	8	200	.1K	1K	96.7	.05K	0.43	0.054	1100
940412	3	145	.1K	15	136	.05K	0.408	0.052	7000
940510	2	199	.1K	23	109	.05K	0.313	0.052	2000
940613	2K	76	.1K	5	201	.05K	0.529	0.025	40
940719	1K	113	.1K	18	153	.05K	0.58	0.171	1500
940809	2K	80	.1K	11	208	.05K	0.584	0.032	1400
940912	5	57	.1K	11	191	.05K	0.331	0.025	20

BIG SANDY RIVER AREA
LEVISA FORK NEAR PIKEVILLE

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
---	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI006	931012	22.9	196	9	162	2K	52	1K	1K	2	394
PRI006	931108	29.6	189	8	123	2K	56	1K	1K		323
PRI006	931215	14.1	128	9	176	2K	23	1K	1K		529
PRI006	940111	6.7	85.7	19	521	2K	33	1K	1K		1340
PRI006	940215	4.2	78.8	76	1950	2K	49	1K	3		4720
PRI006	940314	6.9	119	12	406	2K	41	1K	1K		3 1200
PRI006	940412	2.8	94.1	18	501	2K	36	1K	1K		3 1010
PRI006	940510	5.2		11	270	2K	46	1K	1K		595
PRI006	940613	13	175	45	861	2K	55	1K	1K		5 1710
PRI006	940719	11.2	129	42	940	2K	59	1K	1K		2 1890
PRI006	940809	17.8	193	40	914	2K	72	1K	1		3 1750
PRI006	940912	17	179	6	103	2K	57	1K	1K		272

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	63	.1K	K1	223	.05K	0.328	.005K	800
931108	5	64	.1K	16	225	.05K	0.283	.005K	100
931215	5	62	.1K	1K	166	0.264	0.738	0.018	700
940111	2K	88	.1K	1K	107	0.137	0.665	0.04	400
940215	7	157	.1K	14	113	.05K	0.557	0.084	300
940314	2	92	.1K	20	141	.05K	0.526	0.023	1000
940412	1K	78	.1K	10	107	.05K	0.387	0.024	900
940510	2K	90	.1K	8	160	.05K	0.412	0.02	900
940613	2K	89	.1K	7	186	.05K	0.377	0.031	6000
940719	1K	107	.1K	8	201	.05K	0.453	0.032	1100
940809	2K	120	.1K	10	221	.05K	0.377	0.026	4000
940912	4	43	.1K	13	205	.05K	0.228	0.017	300

BIG SANDY RIVER AREA
TUG FORK AT KERMIT, W. VA.

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI002	931012	45.6	202	25	365	2K	58	1K	1K	2	888
PRI002	931108	27	166	5	118	2K	51	1K	1K		468
PRI002	931215	16.1	118	28	442	2K	25	1K	1K	2	1330
PRI002	940111	8.5	82.9	43	704	2K	41	1K	1K		2000
PRI002	940215	5.7	86.4	68	1250	2K	52	1K	2	6	3260
PRI002	940314	6.5	115	14	368	2K	40	1K		3	962.
PRI002	940412	6.1	123	29	789	2K	52	1K		6	1710
PRI002	940510	6.1	38	828	2K	47	1K			2	1870
PRI002	940613	10.3	172	17	336	2K	55	1K		4	731
PRI002	940719	18.7	147	10	294	2K	68	1K		2	584
PRI002	940809	16.9	157	42	903	2K	72	1K		1	1970
PRI002	940912	25.6	207	13	212	2K	65	1K		1	513

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD--	YYMMDD--	1055	71900	1092	900	610	630	665	31616
931012	2K	77	.1K	1K	219	.05K	0.649	0.009	2300
931108	4	68	.1K	14	197	.05K	0.679	.005K	1400
931215	5	70	.1K	1K	157	0.087	0.863	0.032	100
940111	2	106	.1K	1K	115	0.144	0.809	0.037	1300
940215	4	125	.1K	9	128	.05K	0.685	0.054	1600
940314	2	67	.1K	3	136	.05K	0.672	0.025	1600
940412	2	79	.1K	21	148	.05K	0.526	0.023	3000
940510	2K	91	.1K	13	105	.05K	0.518	0.036	2400
940613	2K	54	.1K	10	182	.05K	0.796	0.026	1000
940719	1K	45	.1K	8	219	.05K	0.796	0.023	1000
940809	2K	105	.1K	9	195	.05K	0.717	0.033	700
940912	2	47	.1K	11	208	.05K	0.558	0.02	600